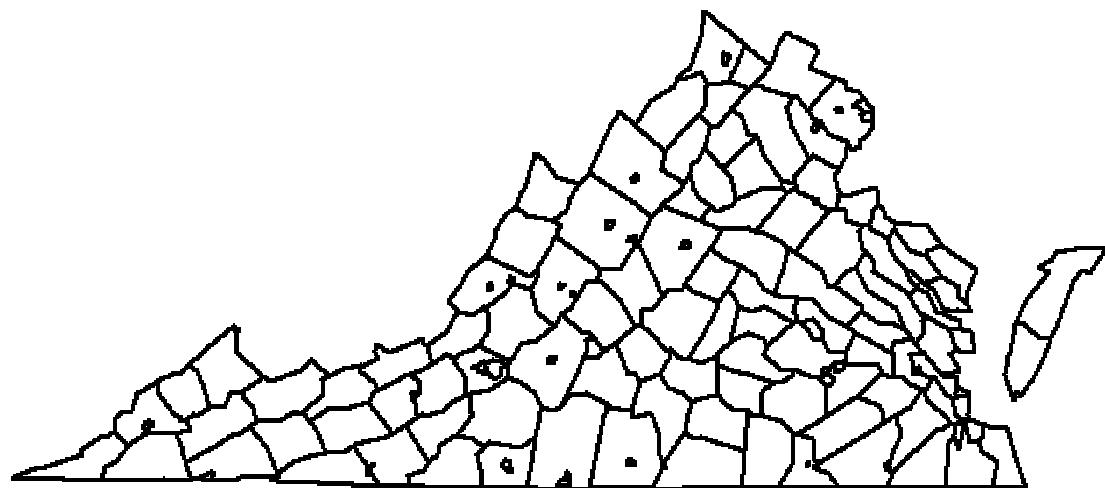


The Health of Minorities In Virginia, 1998

A Report on Vital Events



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A Report on Vital Events

**Virginia Department of Health
Center for Health Statistics and Office of Minority Health
Richmond, Virginia**

October 2001



Acknowledgements

Accurate and reliable data help policymakers, health care professionals, and consumers make informed decisions about health policy and personal health. The State Health Commissioner, Dr. E. Anne Peterson, is committed to providing health information on the health status of Virginia's 6.7 million persons. Her leadership and vision contributed substantially to the direction of this report.

The State Health Commissioner's Minority Health Advisory Committee provided the original recommendation to make this and previous Minority Health Data Reports possible.

The staffs of the Virginia Department of Health's Center for Health Statistics and the Office of Minority Health worked collaboratively to prepare this report. A special thanks to statistical analysts Timothy Lawson, Robert Magnotti and Melinda Haddon for compiling the data in this report. Final report preparation was completed by Cecilia E. Barbosa, MPH, MCRP, consultant to the Virginia Department of Health.

Copies of this publication available for \$5.00 by writing:

Virginia Department of Health
Center for Health Statistics
P.O. Box 1000
Richmond, Virginia 23218-1000
804-662-6276

Memorial Dedication

Marta Wyatt died May 28, 1999 after a distinguished career dedicated to assuring that Hispanics/Latinos in Virginia received appropriate health and human services. She served as the executive director of the Hispanic Committee of Virginia for several years and as a member of the State Health Commissioner's Minority Health Advisory Committee for nearly a decade. Her work on the advisory committee helped the Virginia Department of Health and other public and private health organizations understand the importance of providing minority health information for public policy decision making. Mrs. Wyatt was particularly articulate about the disaggregation of data from 'nonwhite' to 'minority', to 'race and ethnicity specific', to the level of 'sub-groups in racial and ethnic minority populations'. Her leadership in this area created the focus responsible for making the Minority Health Data Report an annual production. Mrs. Wyatt will be missed!

Table of Contents

	<u>Page</u>
Executive Summary	1
Introduction	2
Methodology	3
Population	4
Births	9
Natural Fetal Deaths and Induced Terminations	17
Teenage Pregnancy	19
Mortality	20
Conclusion	22
References	23
 Data Tables - 1998	24
 Population	
Table 1 Population Estimates by Race, Ethnicity and Gender by Health District, Virginia, 1998	25
 Births	
Table 2 Resident Births by Race and Ethnicity by Health District, Virginia, 1998	29
Table 3 Resident Non-Marital Childbearing by Race and Ethnicity by Health District, Virginia, 1998	31
Table 4 Resident Low Weight Births by Race and Ethnicity by Health District, Virginia, 1998	33
Table 5 Resident Births by Trimester Care Began by Race and Ethnicity, Virginia, 1998	35
Table 6 Resident Births with Alcohol, Tobacco and Drug Use by Mother's Race and Ethnicity, Virginia, 1998	35
Table 7 Resident Births by Education of Mother by Race and Ethnicity, Virginia, 1998	35
 Natural Fetal Deaths and Induced Terminations	
Table 8 Resident Natural Fetal Deaths by Race and Ethnicity by Health District with Rates, Virginia, 1998	36
Table 9 Resident Induced Terminations by Race and Ethnicity by Health District with Rates, Virginia, 1998	38
 Teenage Pregnancy	
Table 10 Teenage Pregnancies by Race by Health District with Rates per 1,000 Female Population, Virginia, 1998	40
Table 11 Teenage Pregnancies by Ethnicity and Age by Health District with Rates per 1,000 Female Population, Virginia 1998	44
 Infant Mortality and Causes of Death	
Table 12 Resident Infant Deaths by Race and Ethnicity by Health District, Virginia, 1998	46
Table 13 Resident Deaths for Black Race by Health District: Thirteen Leading Causes with Rates per 100,000 Population, Virginia, 1998	48
Table 14 Resident Deaths for API Race by Health District: Thirteen Leading Causes and Rates per 100,000 Population, Virginia, 1998	52
Table 15 Resident Deaths for Hispanic Ethnicity by Health District: Thirteen Leading Causes with Rates per 100,000 Population, Virginia, 1998	54
Table 16 Resident Deaths for Selective Cancers by Race* with Rates per 100,000 Population, Virginia, 1998	56
Table 16-A Resident Deaths for Selective Cancers by Race/Ethnicity with Rates per 100,000 Population, Virginia, 1998	62
 Definitions and Formulas	63

Executive Summary

The purpose of this report is to present data on minority populations from vital records (birth, fetal death, and death) and to provide an analysis of these data. While the report is not a comprehensive assessment of the health of minority citizens in Virginia, it does provide an important component of this analysis.

In 1998, the racial minority population in Virginia consisted of blacks (20.1%), Asian/Pacific Islanders (3.6%), and Native Americans (0.3%). Hispanics/Latinos (who may be of any race) constituted 3.7% of the population.

Highlights of the 1998 report include:

- Hispanic/Latino women had the highest birth rate (22.9/1,000 population); 6% of newborns were of Hispanic/Latino descent.
- Nearly two-thirds of black infants and over one third of Hispanic/Latino babies were born to mothers who were unmarried at the time of birth.
- Two-thirds of Asian/Pacific Islander mothers had at least one year of college education. By contrast, only 28% of Hispanic/Latino mothers attained this level of education.
- Nearly 20% of Hispanic/Latino mothers had six or fewer years of education.
- The percent of black low-weight births was nearly twice that of whites and Hispanics/Latinos.
- Less than three-fourths of black and Hispanic/Latino women obtained prenatal care in the first trimester of pregnancy compared to over 80% of the other groups.
- Tobacco use during pregnancy was reported as being highest among white mothers, followed by black and Native American women.
- Black women experienced the highest rates of natural fetal death, induced termination of pregnancy , and infant mortality.
- Teenage pregnancy rates were highest among black and Hispanic/Latino youth.
- The major causes of death for all racial/ethnic groups were heart disease and cancer.

Introduction

The Virginia Department of Health continues to improve the health information available to Virginia's policymakers, health care providers, consumers, and researchers in the Commonwealth. These actions are consistent with the primary public health goals related to assessment, data analysis, and evaluation. They also respond to the demand for accurate and reliable health information, and help to determine a true picture of the health and wellness of Virginia's 6.7 million residents. These data are vital in community efforts to eliminate the health disparities that exist among racial and ethnic populations in the Commonwealth. The State Health Commissioner, Dr. E. Anne Peterson, is committed to having the Virginia Department of Health provide leadership in the health data and information arena.

In the early 1990s, the State Health Commissioner's Minority Health Advisory Committee recommended that Virginia health statistics be collected and reported by racial and ethnic groupings, with particular focus on minority populations. These minority populations include the races black/African-American, Native American/American Indian, and Asian/Pacific Islander, and the ethnicity Hispanic/Latino. The enhanced data sets would improve the documentation of health statistics for all Virginians, and provide the critical measurements for evaluating health outcomes for the state's diverse populations. The department responded with the first ***Virginia Minority Health Data Report*** that provided vital statistics (birth, fetal death, death) data for the year 1995 for the four minority groups. Information on whites was provided for comparative purposes.

This fourth edition of the Minority Health Data Report covers the calendar year 1998. It provides vital statistics data by minority group for each health district (and city/county) within Virginia. The purposes of this report are to present data on minority populations from vital records and provide an analysis of these data. While the report is not a comprehensive assessment of the health of minority citizens in Virginia, it does provide an important component of this analysis. Charts and graphs are used to illustrate comparisons. For the tables in this report, the following designations are used to represent racial and ethnic groups:

Black = Black/African-American
AEA = American Indian/Native American
API = Asian/Pacific Islander
Hispanic = Hispanic/Latino

This report is made possible by the commitment of the staffs of the Center for Health Statistics and the Office of Minority Health at the Virginia Department of Health. Our hope is that the information in this report will prove to be a useful tool for policymakers, health care providers, researchers, consumers and the general public.

Methodology

Population data are 1998 post-censal estimates from the ***U.S. Census Estimates of Virginia*** published by the U.S. Bureau of the Census. The population estimates are used to calculate birth, fetal death, death, and pregnancy rates (see Definitions and Formulas). These estimates are provided by Hispanic ethnicity, race (black/African-American, Asian/Pacific Islander, and Native American/American Indian), age, and gender for each city and county in Virginia.

All vital events - births, deaths, fetal deaths, and induced terminations of pregnancy – are reported to the Center for Health Statistics at the Virginia Department of Health and constitute the number of such events to people residing in Virginia. In this report, events are presented by city or county of residence rather than by place of occurrence of the event.

For all data presented, persons of Hispanic origin can be of any race. Conversely, persons listed as white, black/African-American, Native American/American Indian, or Asian/Pacific Islander can be of Hispanic/Latino or non-Hispanic/Latino origin. Those indicating “other” or “unknown” race or ethnicity are not shown separately but are included in the totals.

Locality data have been omitted in some categories in order to protect confidentiality and/or where very few instances occur.

Cautionary Note on Interpretation of Numbers/Rates In some cases, the numbers of events or the size of the population is very small and is thus subject to random fluctuations. Such random fluctuations can result in rates that are misleading.

The following guidelines are offered:

- ◆ There should be at least 200 live births in the designated group (denominator)
- ◆ There should be at least 20 events (e.g. pregnancies, births, deaths) in the numerator

Should these conditions not be present, readers should aggregate numbers from multiple localities for a given year or from multiple years for a given locality.

Population

The population for Virginia increased less than 1% to 6,791,345 in 1998 from 6,733,996 in 1997. Blacks at 1,362,616 (20.1%) continue to be the state's largest minority population. The Asian/Pacific Islanders were 3.6% (247,190) of the total population. The Native American population numbered 18,647 individuals, or less than one percent of the population. In terms of ethnicity, the Hispanic population constituted 3.7% (250,801) of the population (Chart 1).

Chart 1A: Estimated Population by Race Virginia, 1998

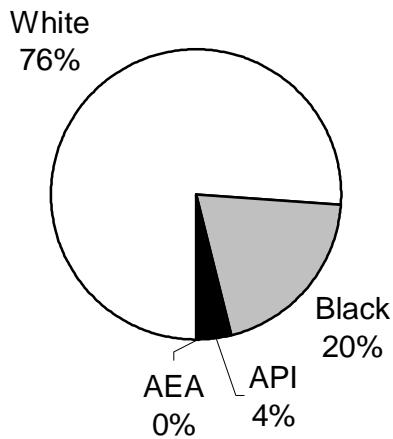
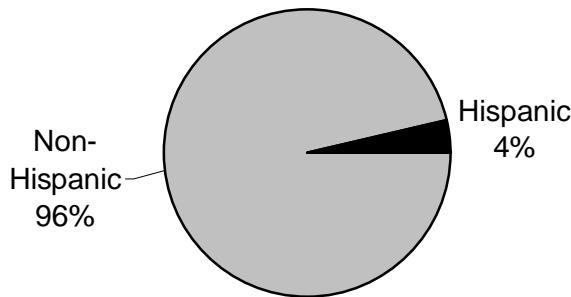


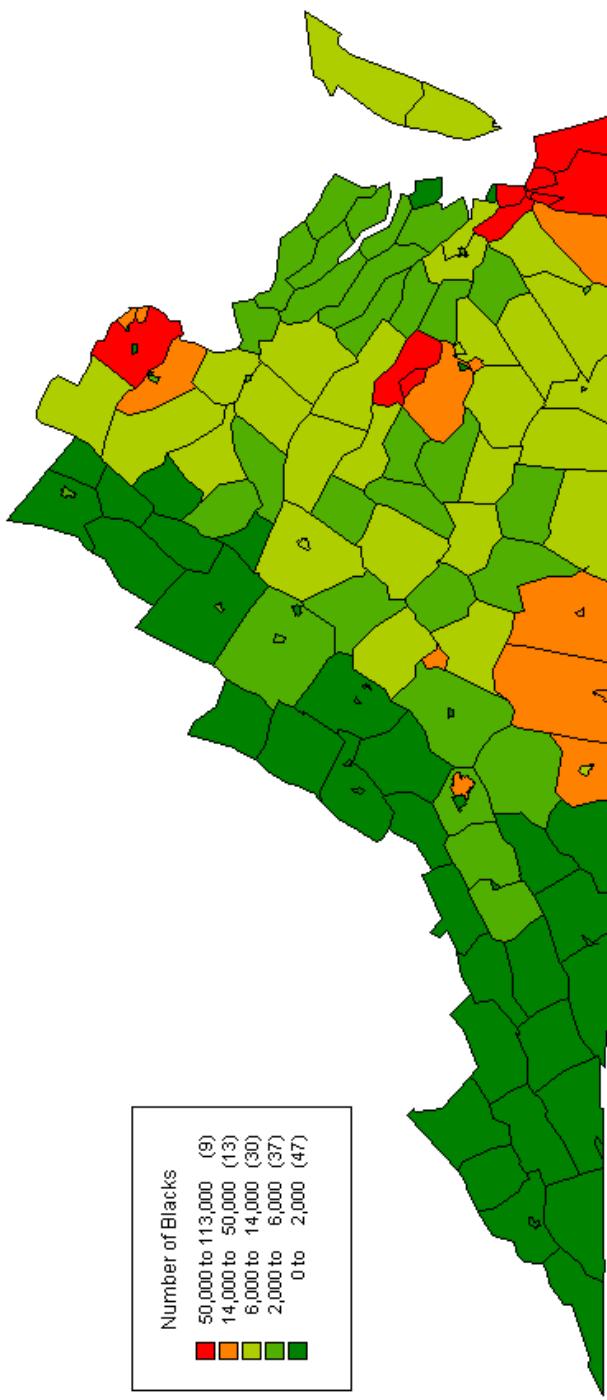
Chart 1B: Estimated Population by Ethnicity Virginia, 1998



Source: Virginia Center for Health Statistics

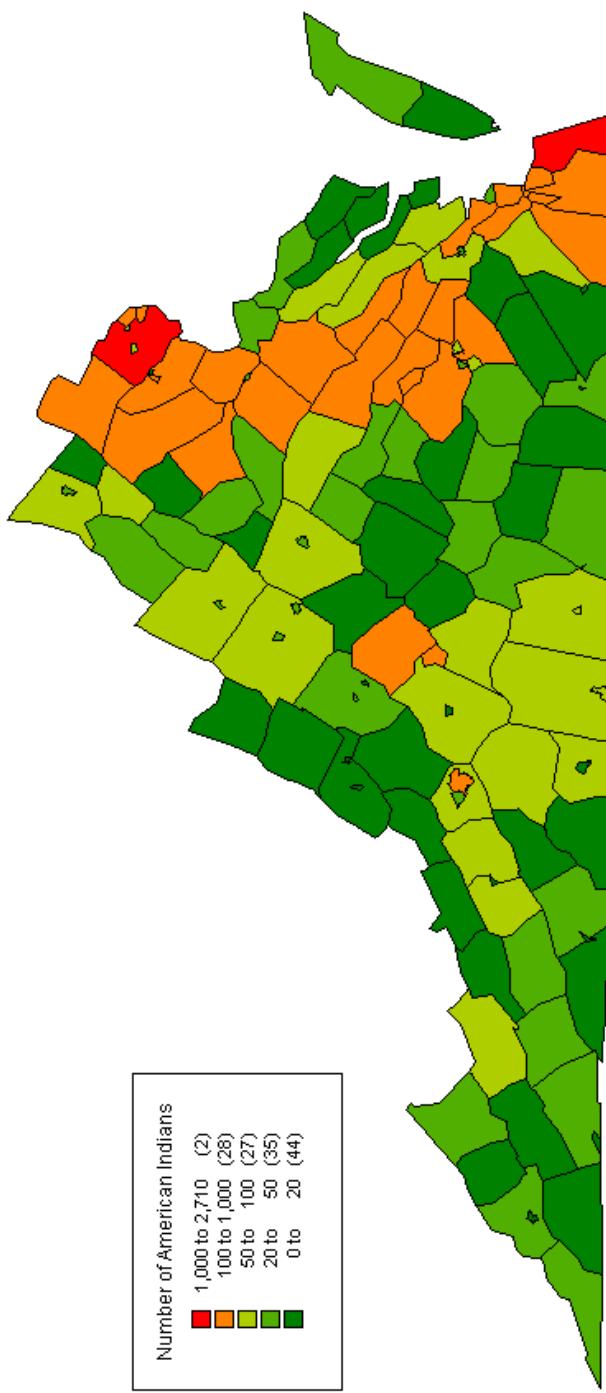
The geographical distribution of the racial/ethnic groups in Virginia is shown in Charts 2A – 2D.

Chart 2A - Black Population by Locality, Virginia, 1998



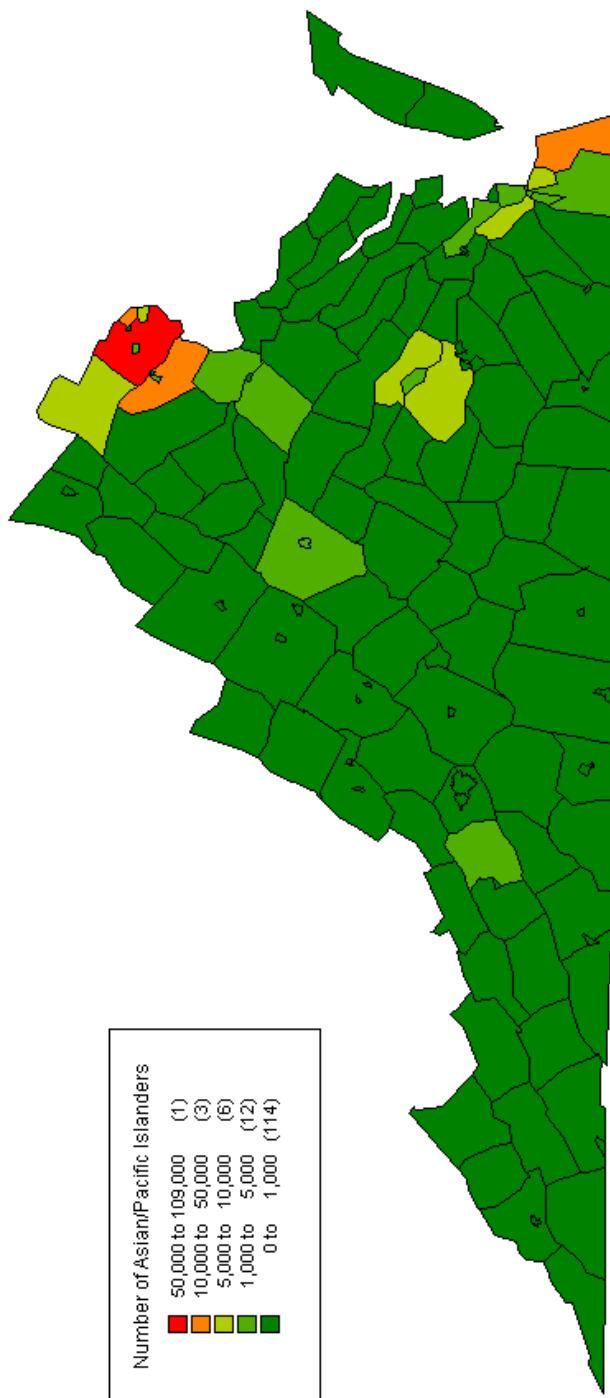
Virginia Center for Health Statistics

Chart 2B - Native American Population by Locality, Virginia, 1998



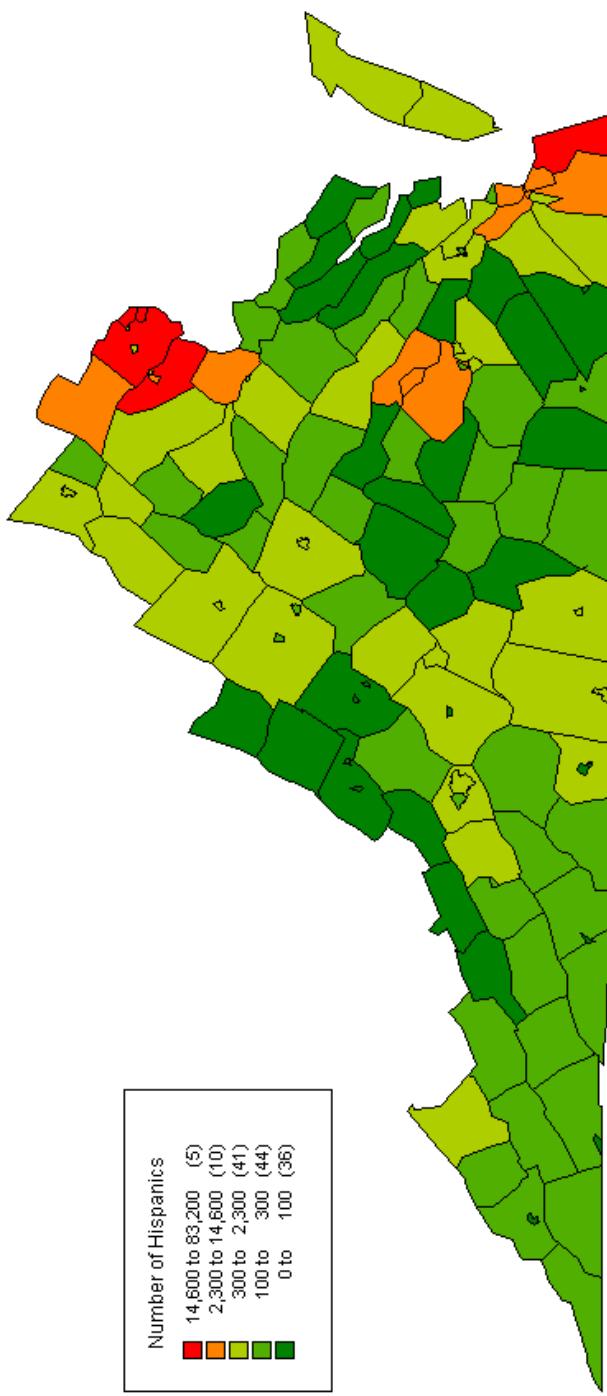
Virginia Center for Health Statistics

Chart 2C - Asian/Pacific Islander Population by Locality, Virginia, 1998



Virginia Center for Health Statistic

Chart 2D - Hispanic Population by Locality, Virginia, 1998



Virginia Center for Health Statistics

Births

The total number of resident births in 1998 was 94,114. Black births represented 23% (21,868 births) of all births; 4% of births (4,277 births) were Asian/Pacific Islander; and less than 1% (216) of the total births were Native American. Six percent of babies (5,739 births) were of Hispanic/Latino descent (Chart 3).

Chart 3A: Resident Births by Race, Virginia, 1998

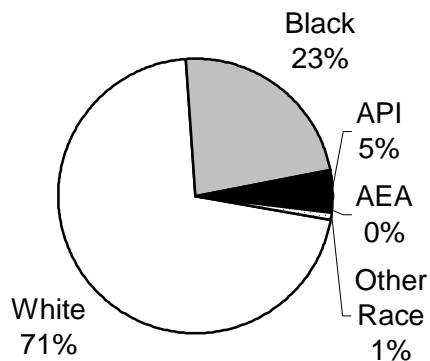
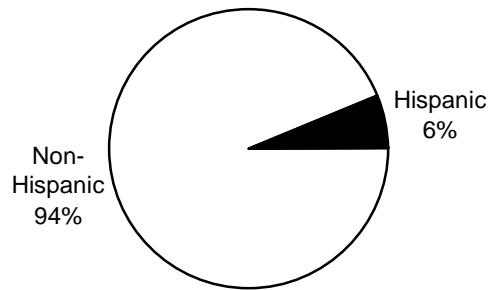


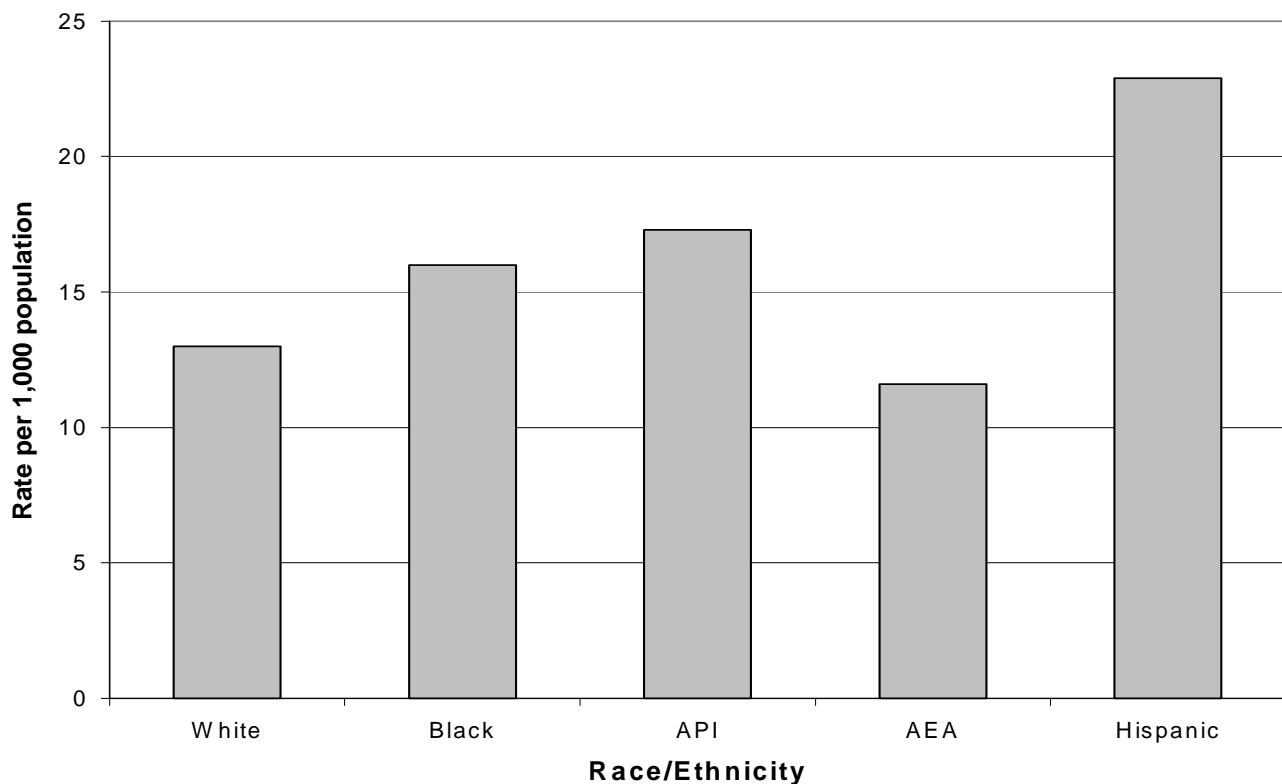
Chart 3B: Resident Births by Ethnicity, Virginia, 1998



Source: Virginia Center for Health Statistics

Birth Rates Hispanic/Latino women had the highest birth rate (22.9 births per 1,000 population). The Asian/Pacific Islander birth rate was second highest at 17.3 and the black birth rate was 16.0. The Native American birth rate is the lowest at 11.6 (Chart 4).

Chart 4: Birth Rates by Race/Ethnicity, Virginia, 1998

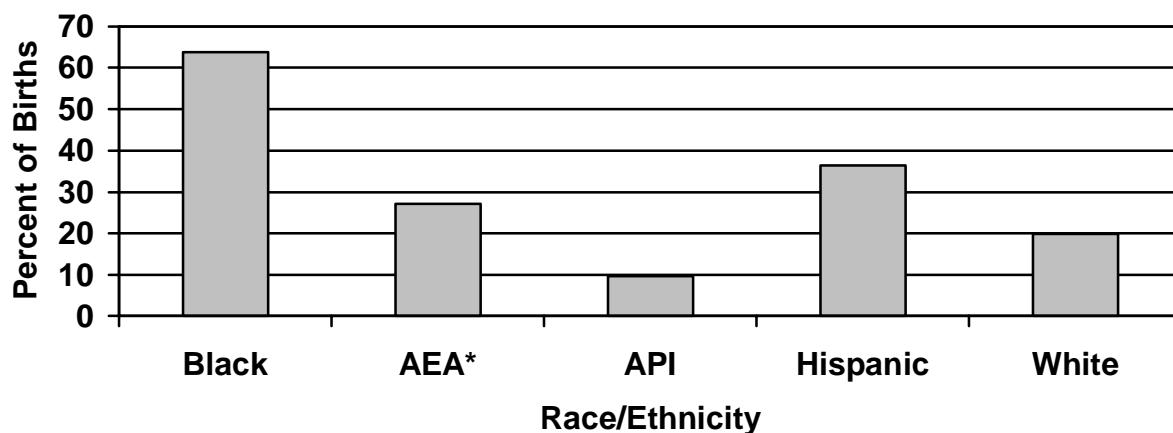


Source: Virginia Center for Health Statistics

Births to Unmarried Women Babies born to unmarried mothers are more likely to be of low birth weight and die before the first year of life than those born to married parents. It is also likely that many of these births are to father-absent families. Children living in father-absent households are much more likely to be poor, are at a higher risk of school failure and drop-out, and are more likely to engage in early sexual behavior and other self-destructive behaviors (Ooms, 1998).

The percent of minority births in 1998 to mothers who were unmarried at the time of birth varied greatly by race and ethnicity. Nearly two out of three black babies (63.7%; 13,934 births) were born to mothers who were not married. Over one-third (36.5%; 2,094 births) of Hispanic babies and over a quarter (27.1%¹; 56 births in 1998) of Native American births were to unwed mothers. Twenty percent (13,332 births) of white births were to mothers who were not married and only one in ten (9.6%; 409 births) of Asian/Pacific Islanders births were non-marital (Chart 5).

**Chart 5: Percent of Births to Unmarried Women, by Race/Ethnicity
Virginia, 1998**



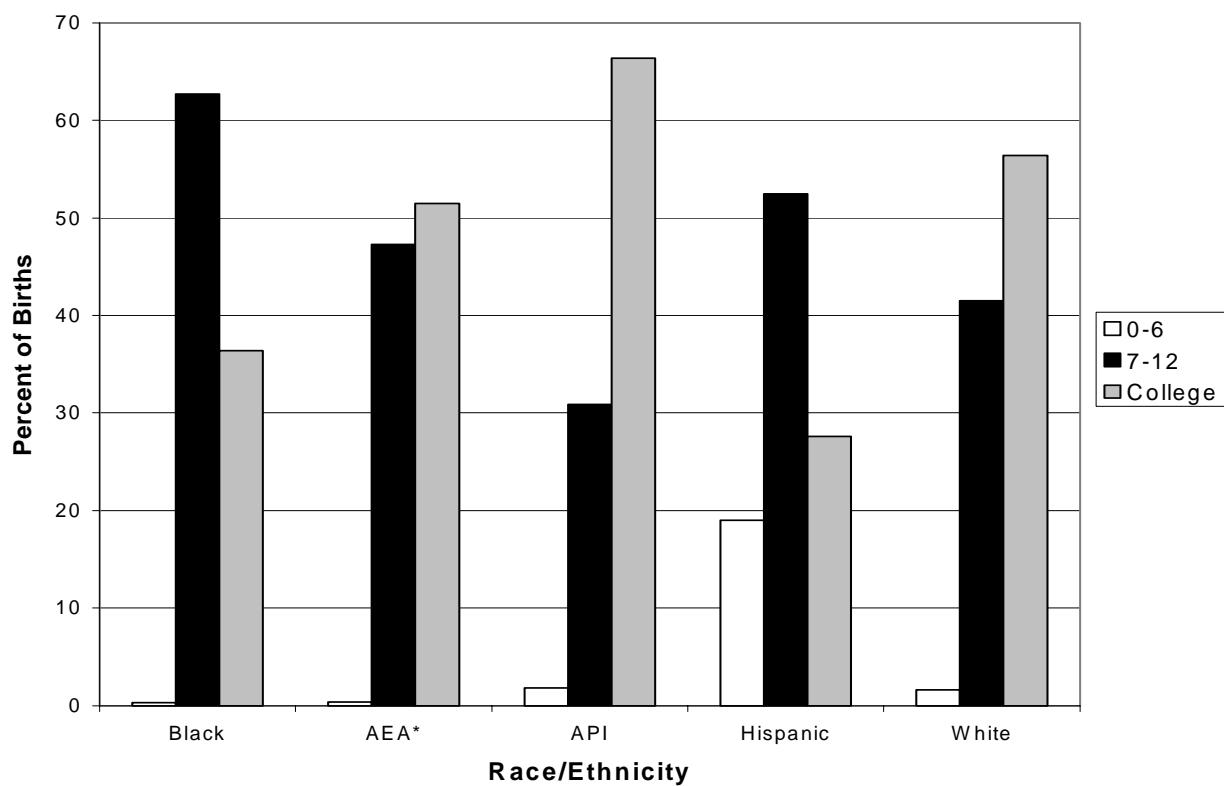
*Due to small numbers, 1997-1999 average is used as a best estimate for 1998.

Source: Virginia Center for Health Statistics

¹ Due to the small number of Native American births, the 1997-1999 average is used as a best estimate for 1998.

Education of Mother In 1998, over half (52%) of all mothers giving birth had completed at least one year of college education. Of minority groups, Asian/Pacific Islander mothers had the highest percentage of births to mothers with some level of post-secondary education: two-thirds had at least one year of college (66%). The percentage of Native American mothers who had completed at least one year of college was 52%² and 35% of black mothers indicated this level of college education. Only 28% of Hispanic/Latino mothers had at least one year of college education. In addition, nearly one in five Hispanic mothers (19%) had six or fewer years of education (Chart 6).

**Chart 6: Births by Education of Mother and Race/Ethnicity
Virginia, 1998**



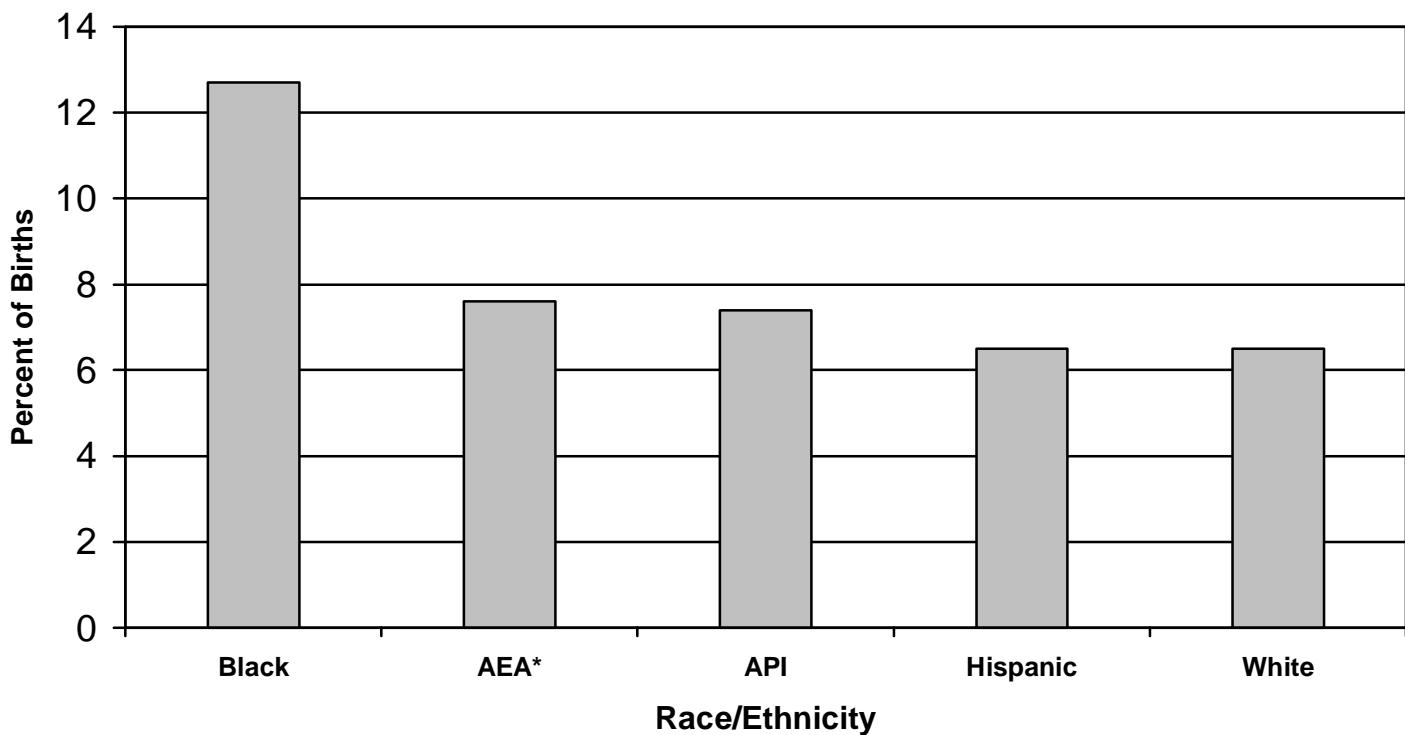
*Due to small numbers of Native American births, the 1997-1999 average is used as a best estimate for 1998.

Source: Virginia Center for Health Statistics

² Due to the small number of Native American births, the 1997-1999 average is used as a best estimate for 1998.

Low Weight Births Babies born of low weight are more likely to experience serious medical complications, delays in development or even die in infancy (before the first year of life).³ The percent of white and Hispanic/Latino babies born with low birth weight was 6.5% (4,324 white babies and 374 Hispanic/Latino infants). By comparison, the percent of black low birth weight babies was double - 12.7% (2,779). The percentages were similar for Native American (7.6% average for 1997-1999; 14 babies in 1998) and Asian/Pacific Islander (7.4% in 1998; 318 births) newborns (Chart 7).

Chart 7: Low Weight Births, by Race/Ethnicity, Virginia, 1998



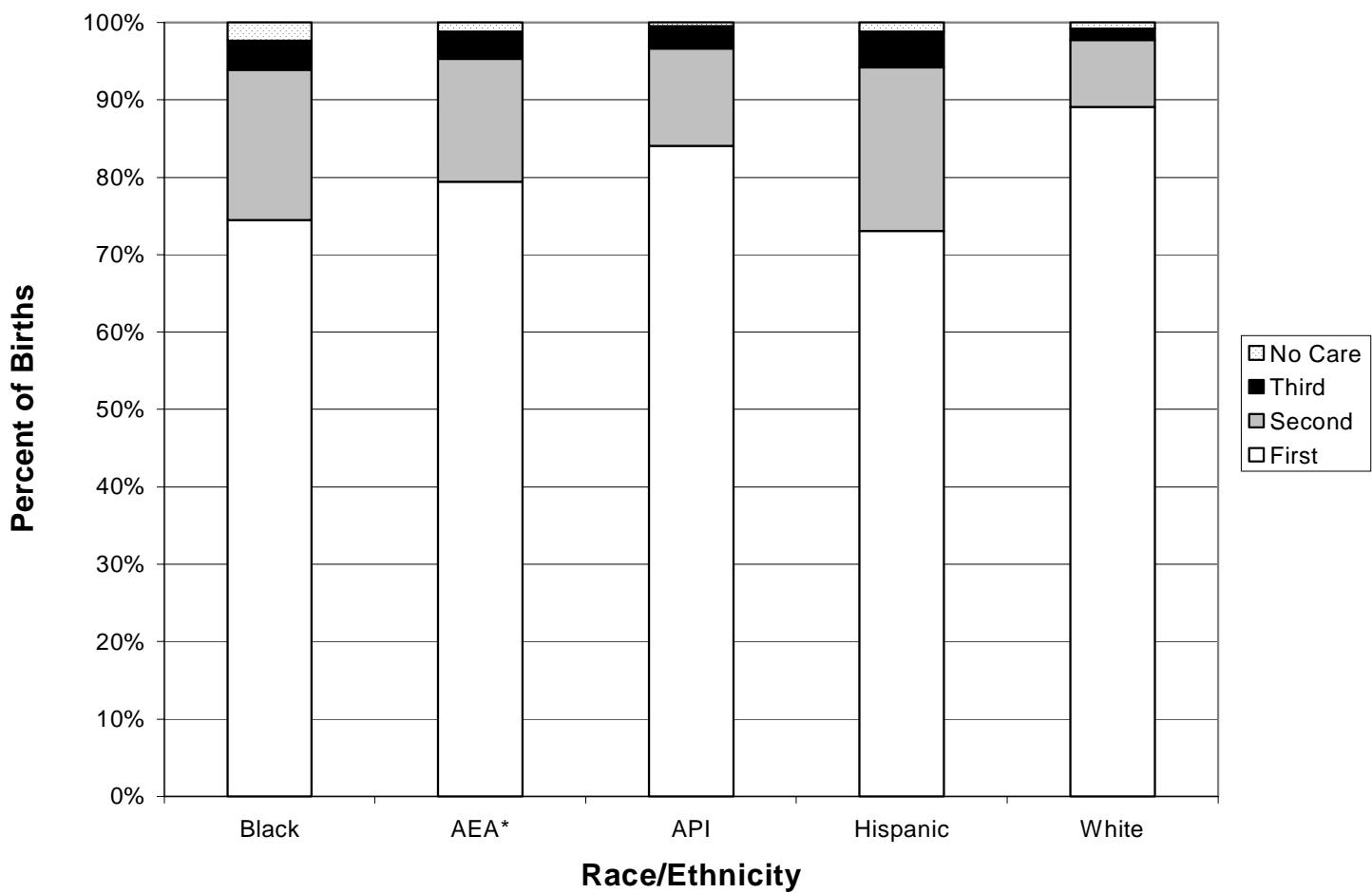
*Due to small numbers, 1997-1999 average is used as a best estimate for 1998.

Source: Virginia Center for Health Statistics

³ Low birth weight is defined as less than 2,500 grams or about five and one half pounds.

Prenatal Care Early and continuous prenatal care is essential to assure a healthy birth. Close to 80% of white, Asian/Pacific Islander, and Native American⁴ women began prenatal care during the first trimester of pregnancy. By contrast, only 74% of black and 72% of Hispanic women began care at this critical stage of pregnancy. Correspondingly, relatively high percentages of black and Hispanic women began care in the second and third trimester of pregnancy or obtained no prenatal care at all (Chart 8).

**Chart 8: Beginning of Prenatal Care, by Race/Ethnicity
Virginia, 1998**



*Due to small numbers of Native American births, 1997-1999 average is used as a best estimate for 1998.

Source: Virginia Center for Health Statistics

⁴ Due to the small number of Native American births, the 1997-1999 average is used as a best estimate for 1998.

Use of Tobacco, Alcohol, and Illegal Drugs Use of tobacco, alcohol, and illegal drugs during pregnancy can lead to serious health problems in newborns, including low birth weight and prematurity; chronic disabilities (such as cerebral palsy, mental retardation and learning problems); and even death. These health problems inflict major emotional and economic costs on families and communities.

Data from birth certificates on the use of tobacco, alcohol, and drugs during pregnancy are self-reported and are likely to be underreported. Therefore, the actual prevalence is expected to be greater than the percentages reported. Ten percent of all women giving birth reported using tobacco during pregnancy; 0.7 percent reported alcohol use, and 0.6% said they used drugs. While the number of women reporting use of alcohol and drugs are small (651 and 591 births, respectively), the costs of each of these births to families and society can be staggering.

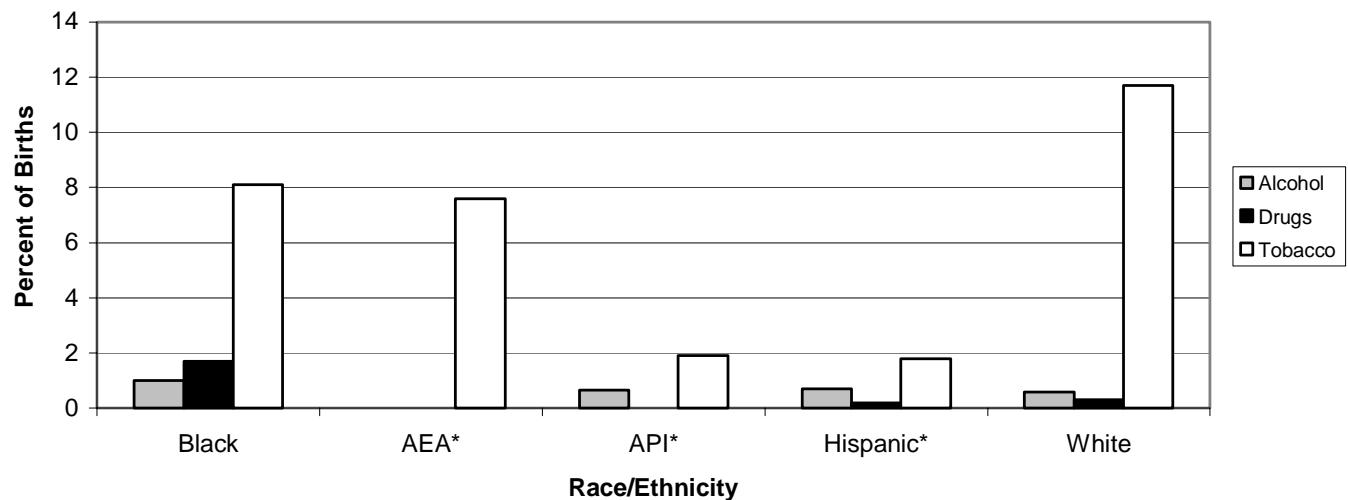
White mothers (11.7% in 1998) had higher percentages of tobacco use among all racial and ethnic groups. About eight percent of black and Native American mothers said they had used tobacco during pregnancy. Nearly 2% each of Hispanic and Asian/Pacific Islander women reported using tobacco during pregnancy.

About one percent⁵ of black, white and Asian/Pacific Islander mothers reported drinking alcohol during pregnancy. Reported usage by Hispanic/Latino women was lower - at 0.2%.

Nearly two percent⁵ of black women reported use of drugs. Usage by white and Hispanic mothers was 0.3 and 0.2 percent, respectively. Native American and Asian/Pacific Islander percentages are not presented for methodological reasons (Chart 9).

⁵ 1997-1999 three-year average reported for Asian/Pacific Islanders, Hispanics/Latinos, and Native Americans due to small numbers, unless total number of events during the three years was less than 20.

Chart 9: Births to Mothers who Used Alcohol, Tobacco, and Drugs by Race/Ethnicity, Virginia, 1998



*Fewer than 20 Native American women used drugs and alcohol in 1997-1999, so percentages are not reported; 1997-1999 average is used as best estimate for 1998 tobacco usage. Due to small numbers of Hispanic women using drugs and alcohol, the 3-year average is presented. Fewer than 20 Asian women used drugs in 1997-1999 and these numbers are not presented.

Source: Virginia Center for Health Statistics

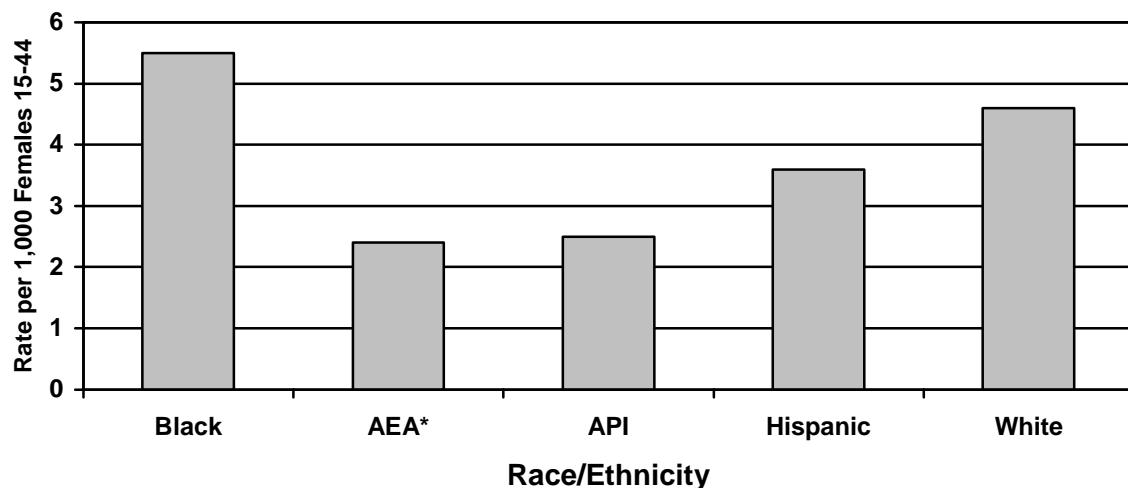
Natural Fetal Deaths and Induced Terminations

A natural fetal death is defined as a spontaneous expulsion of pregnancy that shows no sign of life. This is most commonly referred to as a miscarriage. An induced termination, or abortion, is defined as a deliberate termination of pregnancy with the purpose of producing a nonviable fetus.

A high natural fetal death rate can be indicative of poor access to care, poor health of the mothers, unhealthy behaviors during pregnancy, or advanced maternal age. Maternal medical conditions that have been found to be most strongly associated with having a fetal death were problems with amniotic fluid levels and blood disorders. In addition, fetal mortality has been found to be 35 percent greater when tobacco was used during pregnancy and 77 percent greater when alcohol was consumed during pregnancy (Hoyert, 1996).

In 1998 black women experienced the highest natural fetal death rate, at 5.5/1,000 women ages 15-44. Rates of white women were second highest at 4.6. The lowest rates are among Hispanic/Latino women (3.6), Asian/Pacific Islander (2.5) and Native American (2.4⁶) women (Chart 10).

Chart 10: Natural Fetal Death Rates, by Race/Ethnicity, Virginia, 1998



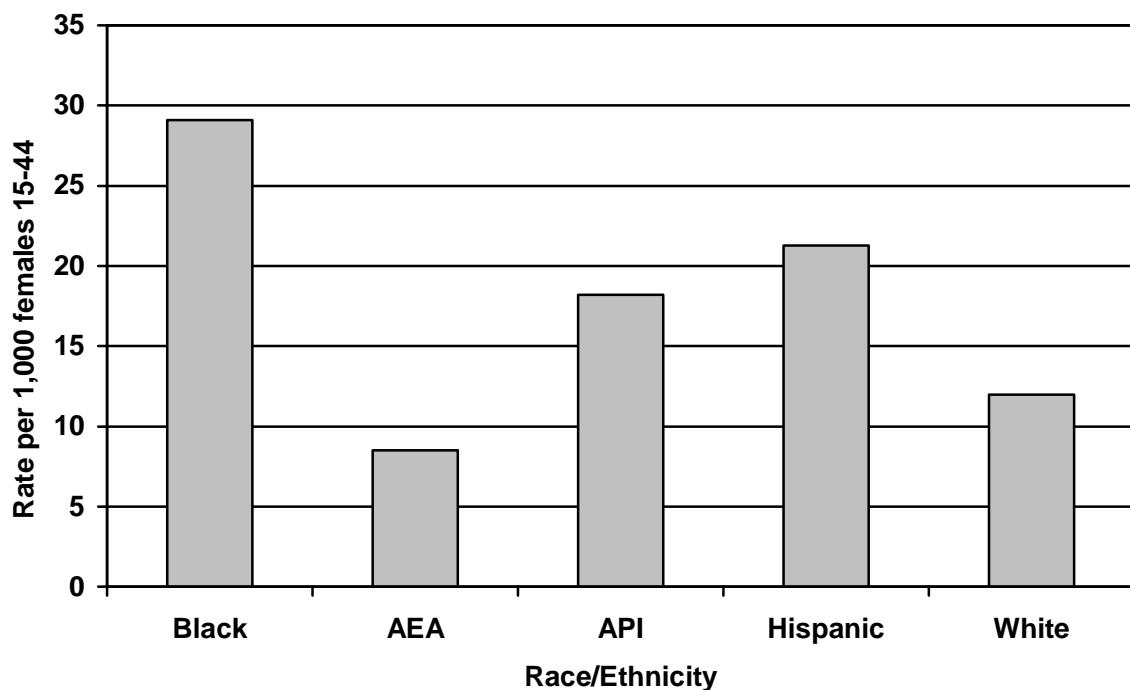
*Due to small numbers, 1997-1999 average rate is used as a best estimate for 1998.

Source: Virginia Center for Health Statistics

⁶ Due to small numbers of fetal deaths to Native American women, 1997-1999 average is used as a best estimate for 1998.

Reflected in the rates of induced terminations of pregnancy may be cultural values and practices, socioeconomic status, access to and use of family planning methods, and incidence of unintended pregnancies. The highest rates of induced terminations of pregnancy were among black women (29.1/1000 women 15-44), followed by Hispanic (21.3) and Asian/Pacific Islander (18.2) women. The lowest rates were among white (12.0) and Native American (8.5) women (Chart 11).

**Chart 11: Induced Terminations of Pregnancy Rates
by Race/Ethnicity, Virginia, 1998**



Source: Virginia Center for Health Statistics

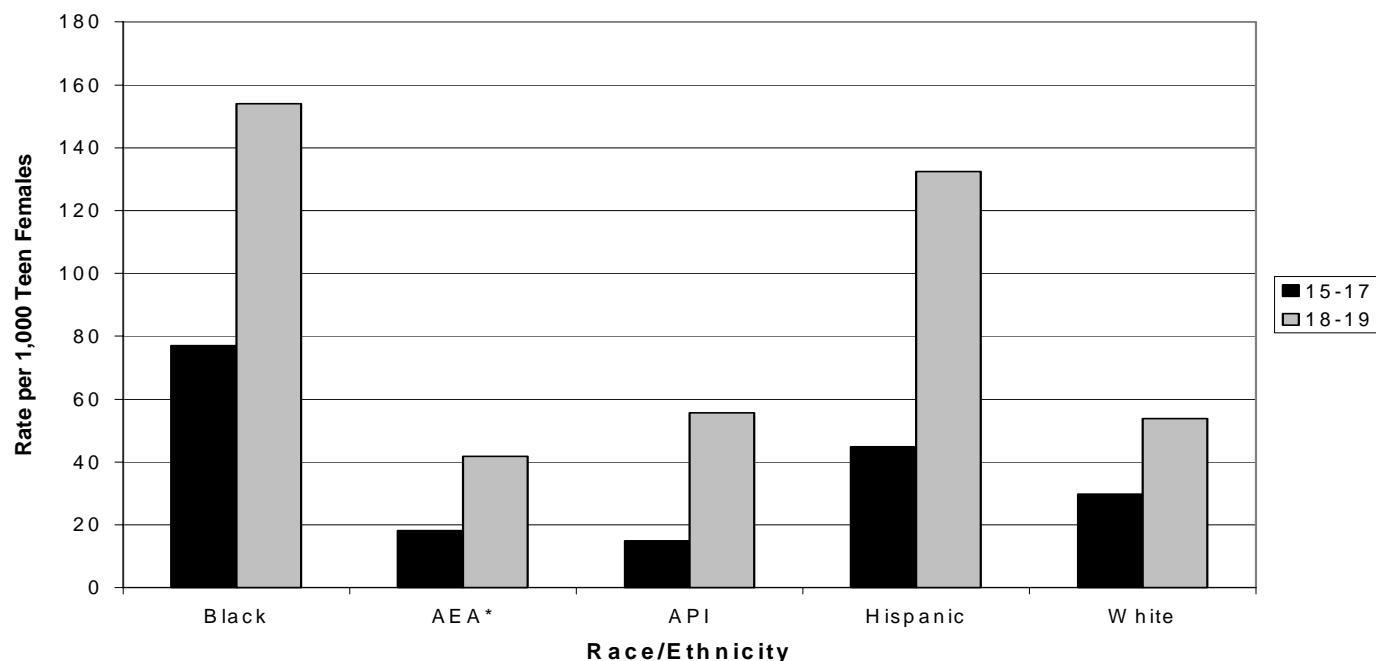
Teenage Pregnancy

Teenage pregnancy is a societal problem both because of the risks of early sexual involvement and early childbearing. Teenage mothers and their babies face increased risks to their health in the form of pregnancy complications, low birthweight, complications at birth and during early childhood, and even infant death. Socio-economic consequences of early childbearing include higher school drop-out, fewer employment opportunities, single parenting, and the children's difficulties in school.

Among 15-17 year olds, teenage pregnancy rates are highest among black (77.1/1000 females 15-17) and Hispanic/Latino (44.9) girls. These rates are substantially higher than those of white (29.9), Native American (18.2⁷), and Asian/Pacific Islander (14.9) girls (Chart 12).

Among 18-19 year olds, the highest rates are among black (154.1) and Hispanic/Latino (132.5) young women and the lowest rates are among Native Americans (41.9⁷), whites (53.8), and Asian/Pacific Islanders (55.6) (Chart 12).

**Chart 12: Teenage Pregnancy Rates, by Race/Ethnicity
Virginia, 1998**



*Due to small numbers, 1997-99 average is used as a best estimate for Native American rate for 1998.

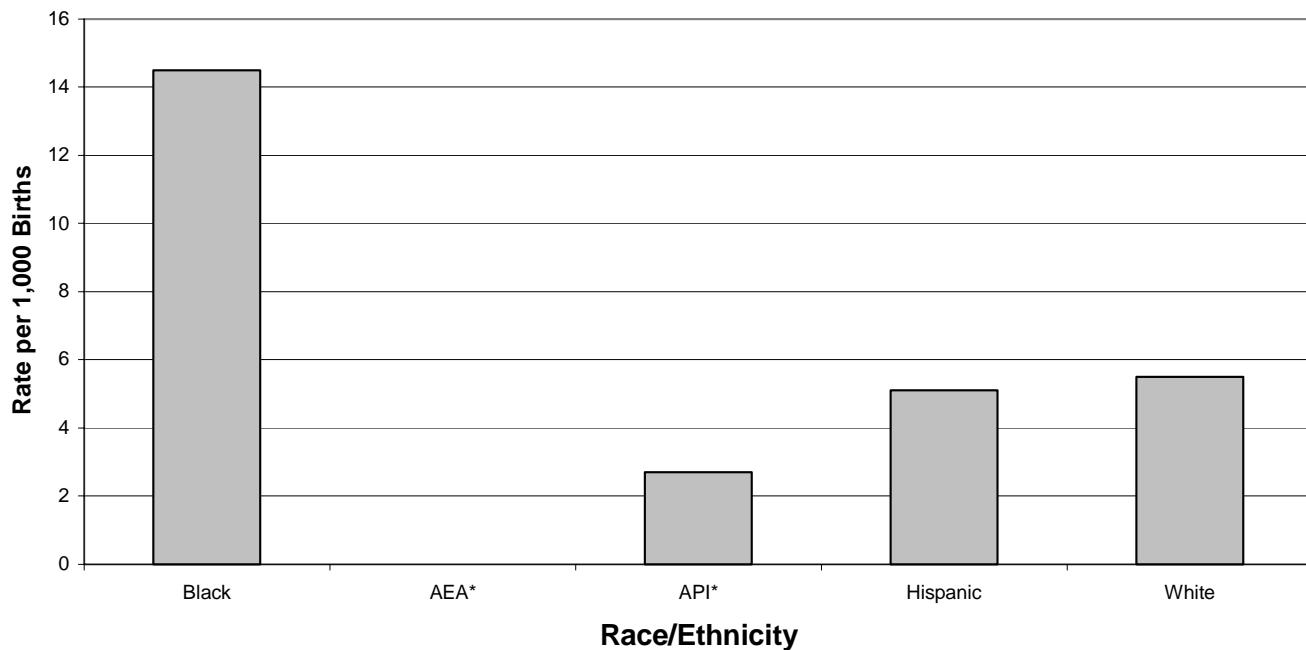
Source: Virginia Center for Health Statistics

⁷ Due to small numbers of pregnancies to Native American teens, the 1997-1999 average is used as a best estimate for 1998.

Mortality

Infant Mortality The infant mortality rate reflects access to quality care, both prenatally and after the birth of the baby; socio-economic conditions of the family; and knowledge, practices, and behaviors of the parents and other caretakers. The main causes of infant death in Virginia were conditions originating in the perinatal period, congenital anomalies, and sudden infant death syndrome. In 1998, the infant mortality rate for blacks (14.5 per 1,000 live births) was over two times greater than that for whites (5.5 per 1,000 live births). The rate for Hispanics was 5.1 per 1,000 live births and the three-year average rate for Asian/Pacific Islanders was 2.7 per 1,000 live births. The three-year average for 1997-1999 was 5.3 for Native Americans; however this figure is considered unstable due to the low numbers of deaths in this population and is not presented in the chart. (Chart 13).

Chart 13: Infant Deaths by Race/Ethnicity, Virginia, 1998

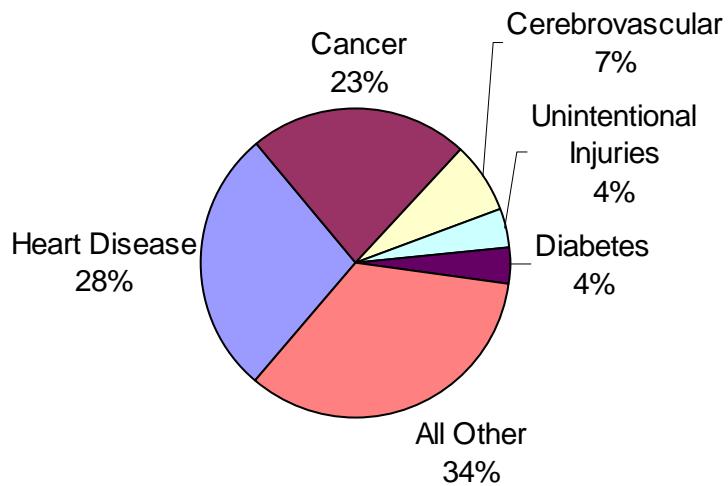


*Due to small numbers, 1997-1999 average rate is used as a best estimate for 1998. For Native Americans, the three-year average is based on less than 20 deaths and considered unreliable.

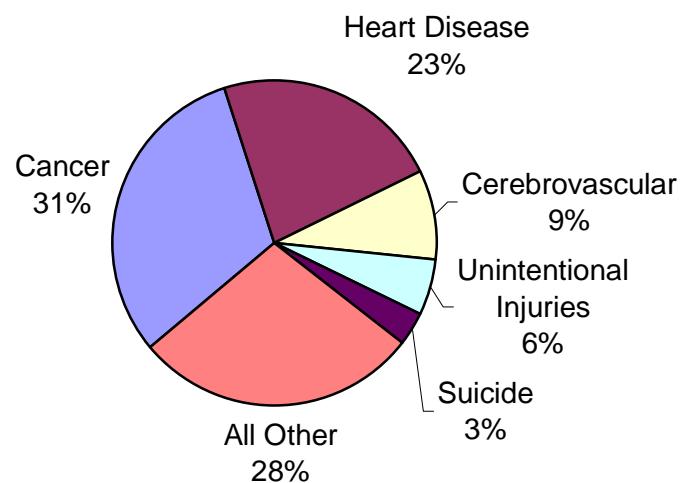
Source: Virginia Center for Health Statistics

General Mortality The five leading causes of death for blacks, Asians/Pacific Islanders, and Hispanics are shown in Charts 14A – 14C. While the top two causes for all these racial/ethnic groups were heart disease and cancer, the third through fifth causes of death varied by race/ethnicity: other major causes of death included unintentional injuries, cerebrovascular disease, suicide, diabetes, chronic obstructive pulmonary disease, and perinatal conditions. Native Americans suffered 52 deaths in 1998: 15 (29%) were to heart disease and 9 (17%) to cancer. No other major causes were noted due to small numbers.

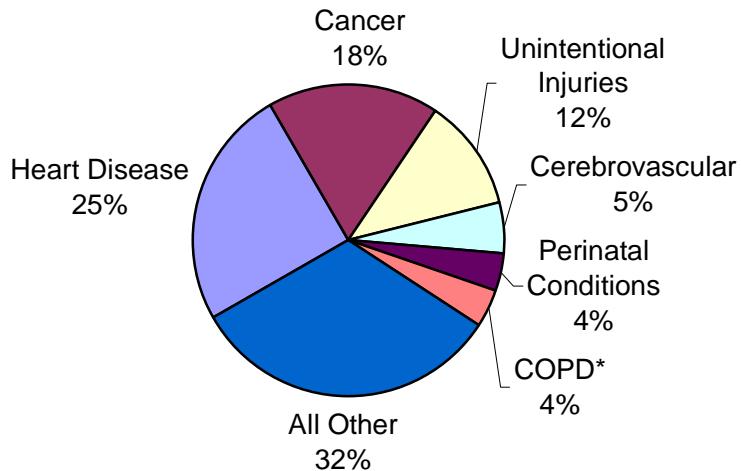
**Chart 14A: Causes of Death to Blacks,
Virginia, 1998**



**Chart 14B: Causes of Death to Asian/Pacific Islanders,
Virginia, 1998**



**Chart 14C: Causes of Death to Hispanics/Latinos,
Virginia, 1998**



*Chronic obstructive pulmonary disease

Source: Virginia Center for Health Statistics

Conclusion

This report has provided a glimpse of the racial and ethnic disparities among the different racial and ethnic groups in Virginia. This information should begin to help communities better target interventions that are specifically aimed at meeting the cultural and health needs of these population groups. The Virginia Department of Health is committed to further developing a better understanding of health needs through collection, interpretation, and dissemination of health data related to minority populations in Virginia.

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DATA TABLES

Table 1
Population Estimates by Race, Ethnicity and Gender by Health District, Virginia, 1998

	Total			Black			AEA		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
State of Virginia	6,791,345	3,316,766	3,474,579	1,362,616	652,187	710,429	18,647	9,488	9,159
LENOWISCO DISTRICT	89,174	43,004	46,170	1,499	833	666	101	42	59
LEE	23,815	11,451	12,364	178	106	72	28	11	17
SCOTT	22,605	10,926	11,679	180	100	80	17	9	8
WISE	38,599	18,702	19,897	836	480	356	42	18	24
NORTON	4,155	1,925	2,230	305	147	158	14	4	10
CUMBERLAND PLATEAU	121,638	59,734	61,904	2,735	1,691	1,044	114	52	62
BUCHANAN	28,929	14,669	14,260	723	660	63	29	12	17
DICKENSON	16,894	8,250	8,644	115	72	43	14	6	8
RUSSELL	29,049	14,265	14,784	376	218	158	15	9	6
TAZEWELL	46,766	22,550	24,216	1,521	741	780	56	25	31
MOUNT ROGERS DISTRICT	183,282	88,116	95,166	5,271	2,621	2,650	184	79	105
BLAND	6,748	3,631	3,117	277	241	36	3	3	3
CARROLL	27,873	13,736	14,137	172	103	69	33	13	20
GRAYSON	16,118	7,873	8,245	576	260	316	16	8	8
SMYTH	32,757	15,665	17,092	711	374	337	35	13	22
WASHINGTON	49,168	23,902	25,266	859	427	432	39	16	23
WYTHE	26,268	12,497	13,771	1,071	492	579	37	15	22
BRISTOL	17,486	7,711	9,775	1,156	520	636	14	6	8
GALAX	6,864	3,101	3,763	449	204	245	7	5	2
NEW RIVER DISTRICT	155,484	77,357	78,127	7,647	3,822	3,825	170	81	89
FLOYD	13,091	6,490	6,601	381	188	193	18	9	9
GILES	16,242	7,937	8,305	358	188	170	10	7	3
MONTGOMERY	75,878	39,113	36,765	3,375	1,681	1,694	73	36	37
PULASKI	34,539	16,793	17,746	2,382	1,267	1,115	50	20	30
RADFORD	15,734	7,024	8,710	1,151	498	653	19	9	10
ALLEGHANY DISTRICT	162,306	77,951	84,355	7,372	3,766	3,606	162	85	77
ALLEGHANY	12,146	6,104	6,042	309	165	144	14	4	10
BOTETOURT	28,561	14,330	14,231	1,502	887	615	16	7	9
CRAIG	4,882	2,465	2,417	8	6	2	5	3	2
ROANOKE	80,839	38,225	42,614	2,420	1,170	1,250	86	52	34
CLIFTON FORGE	4,342	1,940	2,402	744	338	406	3	3	3
COVINGTON	6,857	3,178	3,679	1,126	555	571	6	4	2
SALEM	24,679	11,709	12,970	1,263	645	618	32	15	17
ROANOKE CITY	93,749	43,332	50,417	25,726	11,784	13,942	176	79	97
CENTRAL SHENANDOAH	240,925	118,267	122,658	13,915	7,356	6,559	312	166	146
AUGUSTA	61,775	31,252	30,523	2,532	1,681	851	52	30	22
BATH	4,891	2,483	2,408	300	143	157	2	2	2
HIGHLAND	2,499	1,243	1,256	2		2			
ROCKBRIDGE	19,557	9,766	9,791	701	359	342	44	22	22
ROCKINGHAM	63,214	31,211	32,003	1,127	638	489	57	31	26
BUENA VISTA	6,288	2,858	3,430	317	147	170	5	3	2
HARRISONBURG	33,434	15,502	17,932	2,615	1,174	1,441	41	19	22
LEXINGTON	7,360	4,301	3,059	989	507	482	26	17	9
STAUNTON	23,346	10,904	12,442	3,346	1,781	1,565	42	26	16
WAYNESBORO	18,561	8,747	9,814	1,986	926	1,060	43	16	27
LORD FAIRFAX DISTRICT	178,445	87,681	90,764	7,966	4,055	3,911	269	129	140
CLARKE	12,779	6,366	6,413	1,316	666	650	17	13	4
FREDERICK	55,229	27,650	27,579	1,252	661	591	97	42	55
PAGE	22,989	11,275	11,714	562	302	260	32	10	22
SHENANDOAH	34,663	16,786	17,877	477	235	242	41	25	16
WARREN	30,126	14,815	15,311	1,768	871	897	53	23	30
WINCHESTER	22,659	10,789	11,870	2,591	1,320	1,271	29	16	13
ALEXANDRIA DISTRICT	118,300	55,717	62,583	27,653	13,026	14,627	444	192	252
ARLINGTON DISTRICT	177,275	86,770	90,505	20,009	9,900	10,109	782	415	367
FAIRFAX DISTRICT	959,978	473,400	486,578	78,732	40,035	38,697	2,814	1,464	1,350
FAIRFAX	929,239	458,650	470,589	77,296	39,338	37,958	2,702	1,410	1,292
FAIRFAX CITY	20,697	10,027	10,670	1,083	527	556	54	28	26
FALLS CHURCH	10,042	4,723	5,319	353	170	183	58	26	32
LOUDOUN	143,940	71,519	72,421	11,908	5,748	6,160	322	167	155
PRINCE WILLIAM DISTRICT	303,874	154,447	149,427	39,121	19,763	19,358	1,115	591	524
PRINCE WILLIAM	259,827	132,180	127,647	34,203	17,277	16,926	991	531	460
MANASSAS	35,336	17,973	17,363	4,175	2,127	2,048	115	58	57
MANASSAS PARK	8,711	4,294	4,417	743	359	384	9	2	7
RAPPAHANNOCK/RAPIDAN	132,566	66,235	66,331	20,864	10,638	10,226	328	172	156
CULPEPER	33,083	16,799	16,284	6,969	3,807	3,162	103	61	42
FAUQUIER	54,109	27,066	27,043	6,895	3,429	3,466	133	66	67
MADISON	12,697	6,268	6,429	2,089	998	1,091	40	23	17
ORANGE	25,408	12,455	12,953	4,283	2,081	2,202	40	15	25
RAPPAHANNOCK	7,269	3,647	3,647	628	323	305	12	7	5
THOMAS JEFFERSON	187,782	91,067	96,715	34,215	16,220	17,995	273	112	161
ALBEMARLE	78,401	38,250	40,151	9,012	4,353	4,659	90	34	56
FLUVANNA	18,575	9,108	9,467	4,734	2,258	2,476	29	16	13
GREENE	13,991	6,922	7,069	1,064	501	563	17	4	13
LOUISA	24,675	12,194	12,481	7,193	3,510	3,683	79	34	45
NELSON	13,917	6,836	7,081	3,003	1,476	1,527	17	8	9
CHARLOTTESVILLE	38,223	17,757	20,466	9,209	4,122	5,087	41	16	25
CENTRAL VIRGINIA	221,173	105,818	115,355	44,482	20,817	23,665	411	209	202
AMHERST	30,042	14,417	15,625	6,857	3,349	3,508	136	74	62
APPOMATTOX	13,134	6,356	6,778	3,392	1,599	1,793	16	6	10
BEDFORD	55,872	28,032	27,840	5,278	2,678	2,600	72	36	36
CAMPBELL	50,335	24,777	25,558	8,336	4,041	4,295	54	30	24

Note: Refer to population section for column details.

Table 1
Population Estimates by Race, Ethnicity and Gender by Health District, Virginia, 1998

API			Hispanic (any race)			White				
	Total	Male	Female	Total	Male	Female	Total	Male	Female	
247,190	116,425	130,765		250,801	126,481	124,320	5,162,892	2,538,666	2,624,226	State of Virginia
258	121	137		536	266	270	87,316	42,008	45,308	LENOWISCO DISTRICT
31	12	19		191	94	97	23,578	11,322	12,256	LEE
7	2	5		112	56	56	22,401	10,815	11,586	SCOTT
179	87	92		181	86	95	37,542	18,117	19,425	WISE
41	20	21		52	30	22	3,795	1,754	2,041	NORTON
459	204	255		824	404	420	118,330	57,787	60,543	CUMBERLAND PLATEAU
55	28	27		356	192	164	28,122	13,969	14,153	BUCHANAN
22	12	10		101	39	62	16,743	8,160	8,583	DICKENSON
23	8	15		130	64	66	28,635	14,030	14,605	RUSSELL
359	156	203		237	109	128	44,830	21,628	23,202	TAZEWELL
529	225	304		1,090	585	505	177,298	85,191	92,107	MOUNT ROGERS DISTRICT
11	7	4		40	26	14	6,457	3,380	3,077	BLAND
41	13	28		236	146	90	27,627	13,607	14,020	CARROLL
26	14	12		112	68	44	15,500	7,591	7,909	GRAYSON
98	46	52		171	80	91	31,913	15,232	16,681	SMYTH
109	39	70		246	109	137	48,161	23,420	24,741	WASHINGTON
108	50	58		102	56	46	25,052	11,940	13,112	WYTHE
110	46	64		90	39	51	16,206	7,139	9,067	BRISTOL
26	10	16		93	61	32	6,382	2,882	3,500	GALAX
4,461	2,520	1,941		1,782	903	879	143,206	70,934	72,272	NEW RIVER DISTRICT
33	12	21		103	62	41	12,659	6,281	6,378	FLOYD
35	17	18		94	52	42	15,839	7,725	8,114	GILES
3,932	2,283	1,649		1,118	557	561	68,498	35,113	33,385	MONTGOMERY
108	47	61		238	134	104	31,999	15,459	16,540	PULASKI
353	161	192		229	98	131	14,211	6,356	7,853	RADFORD
1,452	680	772		1,318	660	658	153,320	73,420	79,900	ALLEGHANY DISTRICT
52	26	26		98	54	44	11,771	5,909	5,862	ALLEGHANY
119	54	65		247	128	119	26,924	13,382	13,542	BOTETOURT
7	7	9		9	4	5	4,862	2,449	2,413	CRAIG
960	453	507		715	348	367	77,373	36,550	40,823	ROANOKE
8	5	3		36	17	19	3,587	1,597	1,990	CLIFTON FORGE
66	27	39		40	8	32	5,659	2,592	3,067	COVINGTON
240	108	132		173	101	72	23,144	10,941	12,203	SALEM
963	450	513		977	482	495	66,884	31,019	35,865	ROANOKE CITY
1,585	742	843		2,765	1,515	1,250	225,113	110,003	115,110	CENTRAL SHENANDOAH
213	113	100		392	189	203	58,978	29,428	29,550	AUGUSTA
13	5	8		34	19	15	4,576	2,333	2,243	BATH
2	1	1		10	6	4	2,495	1,242	1,253	HIGHLAND
74	32	42		97	50	47	18,738	9,353	9,385	ROCKBRIDGE
238	105	133		889	513	376	61,792	30,437	31,355	ROCKINGHAM
25	4	21		17	9	8	5,941	2,704	3,237	BUENA VISTA
714	328	386		736	406	330	30,064	13,981	16,083	HARRISONBURG
113	88	25		92	66	26	6,232	3,689	2,543	LEXINGTON
135	40	95		258	133	125	19,823	9,057	10,766	STAUNTON
58	26	32		240	124	116	16,474	7,779	8,695	WAYNESBORO
1,161	510	651		2,136	1,104	1,032	169,049	82,987	86,062	LORD FAIRFAX DISTRICT
51	27	24		134	63	71	11,395	5,660	5,735	CLARKE
379	161	218		549	300	249	53,501	26,786	26,715	FREDERICK
114	58	56		183	68	115	22,281	10,905	11,376	PAGE
170	67	103		503	290	213	33,975	16,459	17,516	SHENANDOAH
128	53	75		446	195	251	28,177	13,868	14,309	WARREN
319	144	175		321	188	133	19,720	9,309	10,411	WINCHESTER
6,900	3,214	3,686		15,182	7,804	7,378	83,303	39,285	44,018	ALEXANDRIA DISTRICT
16,658	8,037	8,621		32,841	16,872	15,969	139,826	68,418	71,408	ARLINGTON DISTRICT
111,051	53,329	57,722		85,795	42,297	43,498	767,381	378,572	388,809	FAIRFAX DISTRICT
108,288	52,010	56,278		83,155	41,028	42,127	740,953	365,892	375,061	FAIRFAX
2,077	1,011	1,066		1,723	884	839	17,483	8,461	9,022	FAIRFAX CITY
686	308	378		917	385	532	8,945	4,219	4,726	FALLS CHURCH
5,085	2,419	2,666		5,489	2,803	2,686	126,625	63,185	63,440	LOUDOUN
13,253	5,981	7,272		20,552	10,973	9,579	250,385	128,112	122,273	PRINCE WILLIAM DISTRICT
11,334	5,051	6,283		17,140	9,037	8,103	213,299	109,321	103,978	PRINCE WILLIAM
1,600	782	818		2,796	1,625	1,171	29,446	15,006	14,440	MANASSAS
319	148	171		616	311	305	7,640	3,785	3,855	MANASSAS PARK
1,073	501	572		1,793	884	909	110,301	54,924	55,377	RAPPAHANNOCK/RAPIDAN
493	257	236		330	192	138	25,518	12,674	12,844	CULPEPER
458	191	267		1,025	478	547	46,623	23,380	23,243	FAUQUIER
20	9	11		60	34	26	10,548	5,238	5,310	MADISON
80	38	42		267	122	145	21,005	10,321	10,684	ORANGE
22	6	16		111	58	53	6,607	3,311	3,296	RAPPAHANNOCK
4,029	1,887	2,142		2,633	1,324	1,309	149,265	72,848	76,417	THOMAS JEFFERSON
2,634	1,245	1,389		1,352	669	683	66,665	32,618	34,047	ALBEMARLE
39	13	26		161	70	91	13,773	6,821	6,952	FLUVANNA
58	19	39		110	52	58	12,852	6,398	6,454	GREENE
65	22	43		200	97	103	17,338	8,628	8,710	LOUISA
39	9	30		178	103	75	10,858	5,343	5,515	NELSON
1,194	579	615		632	333	299	27,779	13,040	14,739	CHARLOTTESVILLE
1,285	559	726		1,827	801	1,026	174,995	84,233	90,762	CENTRAL VIRGINIA
106	32	74		330	93	237	22,943	10,962	11,981	AMHERST
10		10		52	27	25	9,716	4,751	4,965	APPOMATTOX
213	102	111		335	175	160	50,309	25,216	25,093	BEDFORD
249	114	135		349	176	173	41,696	20,592	21,104	CAMPBELL

Note: Refer to population section for column details.

Table 1
Population Estimates by Race, Ethnicity and Gender by Health District, Virginia, 1998

	Total			Black			AEA		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
CENTRAL VIRGINIA (con't)	221,173	105,818	115,355	44,482	20,817	23,665	411	209	202
BEDFORD CITY	6,317	2,961	3,356	1,538	690	848	8	3	5
LYNCHBURG	65,473	29,275	36,198	19,081	8,460	10,621	125	60	65
PITTSYLVANIA/DANVILLE	108,252	51,318	56,934	37,363	17,498	19,865	126	61	65
PITTSYLVANIA	57,384	28,184	29,200	17,281	8,395	8,886	50	28	22
DANVILLE	50,868	23,134	27,734	20,082	9,103	10,979	76	33	43
WEST PIEDMONT	134,274	65,003	69,271	27,637	13,119	14,518	151	74	77
FRANKLIN	44,538	21,938	22,600	5,489	2,635	2,854	52	26	26
HENRY	55,627	26,997	28,630	14,447	6,957	7,490	65	33	32
PATRICK	18,441	9,069	9,372	1,549	771	778	17	7	10
MARTINSVILLE	15,668	6,999	8,669	6,152	2,756	3,396	17	8	9
SOUTHSIDE DISTRICT	84,626	40,977	43,649	39,025	18,870	20,155	132	62	70
BRUNSWICK	16,716	8,419	8,297	10,343	5,223	5,120	8	4	4
HALIFAX	36,863	17,582	19,281	15,693	7,437	8,256	99	44	55
MECKLENBURG	31,047	14,976	16,071	12,989	6,210	6,779	25	14	11
PIEDMONT DISTRICT	91,186	46,126	45,060	38,232	19,646	18,586	147	73	74
AMELIA	10,367	5,104	5,263	3,725	1,796	1,929	17	5	12
BUCKINGHAM	14,639	8,079	6,560	6,710	3,831	2,879	18	7	11
CHARLOTTE	12,259	5,949	6,310	4,886	2,339	2,547	20	9	11
CUMBERLAND	7,851	3,809	4,042	3,327	1,578	1,749	6	3	3
LUNENBURG	12,043	6,336	5,707	5,305	2,940	2,365	12	5	7
NOTTOWAY	14,999	7,679	7,320	6,707	3,549	3,158	43	30	13
PRINCE EDWARD	19,028	9,170	9,858	7,572	3,613	3,959	31	14	17
CHESTERFIELD DISTRICT	284,820	141,528	143,292	43,373	22,074	21,299	700	364	336
CHESTERFIELD	245,915	120,836	125,079	37,634	18,076	19,558	612	306	306
POWHATAN	21,950	12,781	9,169	5,580	3,921	1,659	49	35	14
COLONIAL HEIGHTS	16,955	7,911	9,044	159	77	82	39	23	16
HANOVER DISTRICT	119,942	59,188	60,754	24,175	11,983	12,192	909	456	453
CHARLES CITY	7,092	3,461	3,631	4,722	2,260	2,462	535	254	281
GOOCHLAND	17,823	8,741	9,082	6,358	3,012	3,346	22	11	11
HANOVER	81,975	40,095	41,880	9,636	4,695	4,941	191	105	86
NEW KENT	13,052	6,891	6,161	3,459	2,016	1,443	161	86	75
HENRICO DISTRICT	246,052	114,158	131,894	56,292	25,178	31,114	709	353	356
RICHMOND CITY DISTRICT	194,173	87,432	106,741	112,998	50,156	62,842	486	227	259
RAPPAHANNOCK DISTRICT	231,722	116,750	114,972	36,103	18,040	18,063	1,031	521	510
CAROLINE	22,053	10,902	11,151	9,200	4,489	4,711	257	111	146
KING GEORGE	17,236	8,571	8,665	3,933	1,870	2,063	47	21	26
SPOTSYLVANIA	83,692	41,564	42,128	10,447	5,181	5,266	300	165	135
STAFFORD	87,055	45,770	41,285	7,211	3,985	3,226	396	212	184
FREDERICKSBURG	21,686	9,943	11,743	5,312	2,515	2,797	31	12	19
THREE RIVERS DISTRICT	130,041	63,515	66,526	36,331	17,613	18,718	562	292	270
LANCASTER	11,373	5,319	6,054	3,718	1,733	1,985	7	3	4
NORTHUMBERLAND	11,513	5,427	6,086	3,683	1,673	2,010	9	4	5
RICHMOND	8,665	4,897	3,768	3,414	2,188	1,226	18	16	2
WESTMORELAND	16,282	7,835	8,447	5,891	2,784	3,107	35	17	18
ESSEX	9,127	4,309	4,818	3,732	1,745	1,987	55	25	30
GOOCHESTER	35,081	17,356	17,725	4,568	2,141	2,427	83	43	40
KING AND QUEEN	6,529	3,186	3,343	2,964	1,425	1,539	69	32	37
KING WILLIAM	12,768	6,172	6,596	4,291	1,996	2,295	264	135	129
MATHEWS	9,073	4,375	4,698	1,436	657	779	16	13	3
MIDDLESEX	9,630	4,639	4,991	2,634	1,271	1,363	6	4	2
CRATER DISTRICT	145,196	71,907	73,289	71,454	35,175	36,279	397	210	187
DINWIDDIE	24,657	12,232	12,425	10,023	4,930	5,093	49	25	24
GREENSVILLE	11,281	6,737	4,544	7,041	4,291	2,750	35	25	10
PRINCE GEORGE	30,135	16,132	14,003	9,629	5,366	4,263	126	67	59
SURRY	6,471	3,113	3,358	3,855	1,821	2,034	9	5	4
SUSSEX	9,925	4,699	5,226	6,081	2,816	3,265	16	11	5
EMPORIA	5,474	2,567	2,907	2,677	1,267	1,410	14	6	8
HOPEWELL	22,529	10,669	11,860	6,353	2,939	3,414	66	30	36
PETERSBURG	34,724	15,758	18,966	25,795	11,745	14,050	82	41	41
CHESAPEAKE DISTRICT	199,564	97,744	101,820	61,698	29,478	32,220	642	320	322
NORFOLK DISTRICT	215,215	105,771	109,444	93,905	44,013	49,892	966	505	461
PORTSMOUTH DISTRICT	98,936	46,788	52,148	50,451	23,035	27,416	308	155	153
VIRGINIA BEACH DISTRICT	432,380	215,483	216,897	67,101	32,892	34,209	1,679	873	806
WESTERN TIDEWATER	118,090	57,153	60,937	54,072	25,263	28,809	228	124	104
ISLE OF WIGHT	29,252	14,208	15,044	10,286	4,767	5,519	56	31	25
SOUTHAMPTON	17,450	9,270	8,180	8,529	4,607	3,922	15	9	6
FRANKLIN CITY	8,685	3,906	4,779	4,915	2,127	2,788	6	3	3
SUFFOLK	62,703	29,769	32,934	30,342	13,762	16,580	151	81	70
HAMPTON DISTRICT	136,968	65,745	71,223	58,089	26,841	31,248	423	212	211
PENINSULA DISTRICT	305,063	148,707	156,356	86,836	40,872	45,964	1,010	535	475
JAMES CITY CO	44,233	21,426	22,807	8,709	4,063	4,646	89	48	41
YORK	58,789	29,082	29,707	10,313	4,953	5,360	163	93	70
NEWPORT NEWS	178,615	86,918	91,697	65,680	30,864	34,816	705	365	340
POQUOSON	11,455	5,699	5,756	103	47	56	26	12	14
WILLIAMSBURG	11,971	5,582	6,389	2,031	945	1,086	27	17	10
EASTERN SHORE	44,954	21,058	23,896	18,366	8,366	10,000	64	36	28
ACCOMACK	32,245	15,172	17,073	12,156	5,571	6,585	45	25	20
NORTHAMPTON	12,709	5,886	6,823	6,210	2,795	3,415	19	11	8

Note: Refer to population section for column details.

Table 1
Population Estimates by Race, Ethnicity and Gender by Health District, Virginia, 1998

API			Hispanic (any race)			White			
Total	Male	Female	Total	Male	Female	Total	Male	Female	
1,285	559	726	1,827	801	1,026	174,995	84,233	90,762	CENTRAL VIRGINIA con't)
43	23	20	84	37	47	4,728	2,245	2,483	BEDFORD CITY
664	288	376	677	293	384	45,603	20,467	25,136	LYNCHBURG
424	189	235	751	407	344	70,339	33,570	36,768	PITTSYLVANIA/DANVILLE
86	30	56	371	218	153	39,967	19,731	20,236	PITTSYLVANIA
338	159	179	380	189	191	30,372	13,839	16,533	DANVILLE
310	134	176	865	416	449	106,176	51,676	54,500	WEST PIEDMONT
108	41	67	222	86	136	38,889	19,236	19,653	FRANKLIN
137	71	66	367	196	171	40,978	19,936	21,042	HENRY
30	10	20	190	89	101	16,845	8,281	8,564	PATRICK
35	12	23	86	45	41	9,464	4,223	5,241	MARTINSVILLE
160	72	88	584	287	297	45,309	21,973	23,336	SOUTHSIDE DISTRICT
16	6	10	78	36	42	6,349	3,186	3,163	BRUNSWICK
79	30	49	329	163	166	20,992	10,071	10,921	HALIFAX
65	36	29	177	88	89	17,968	8,716	9,252	MECKLENBURG
277	120	157	723	389	334	52,530	26,287	26,243	PIEDMONT DISTRICT
22	8	14	85	44	41	6,603	3,295	3,308	AMELIA
31	7	24	61	29	32	7,880	4,234	3,646	BUCKINGHAM
6		6	59	29	30	7,347	3,601	3,746	CHARLOTTE
16	7	9	67	27	40	4,502	2,221	2,281	CUMBERLAND
28	10	18	151	91	60	6,698	3,381	3,317	LUNENBURG
58	32	26	117	74	43	8,191	4,068	4,123	NOTTOWAY
116	56	60	183	95	88	11,309	5,487	5,822	PRINCE EDWARD
6,871	3,231	3,640	4,902	2,496	2,406	233,876	115,859	118,017	CHESTERFIELD DISTRICT
6,272	2,971	3,301	4,519	2,254	2,265	201,397	99,483	101,914	CHESTERFIELD
55	25	30	127	101	26	16,266	8,800	7,466	POWHATAN
544	235	309	256	141	115	16,213	7,576	8,637	COLONIAL HEIGHTS
634	277	357	863	435	428	94,224	46,472	47,752	HANOVER DISTRICT
17	10	7	41	25	16	1,818	937	881	CHARLES CITY
56	29	27	60	31	29	11,387	5,689	5,698	GOOCHLAND
495	217	278	621	308	313	71,653	35,078	36,575	HANOVER
66	21	45	141	71	70	9,366	4,768	4,598	NEW KENT
6,953	3,451	3,502	3,641	1,758	1,883	182,098	85,176	96,922	HENRICO DISTRICT
2,305	1,076	1,229	2,478	1,263	1,215	78,384	35,973	42,411	RICHMOND CITY DISTRICT
3,484	1,561	1,923	5,932	3,092	2,840	191,104	96,628	94,476	RAPPAHANNOCK DISTRICT
80	28	52	164	69	95	12,516	6,274	6,242	CAROLINE
226	106	120	288	127	161	13,030	6,574	6,456	KING GEORGE
1,294	591	703	1,905	962	943	71,651	35,627	36,024	SPOTSYLVANIA
1,575	687	888	2,842	1,537	1,305	77,873	40,886	36,987	STAFFORD
309	149	160	733	397	336	16,034	7,267	8,767	FREDERICKSBURG
655	291	364	1,362	700	662	92,493	45,319	47,174	THREE RIVERS DISTRICT
18	6	12	114	64	50	7,630	3,577	4,053	LANCASTER
29	7	22	87	25	62	7,792	3,743	4,049	NORTHUMBERLAND
39	17	22	99	71	28	5,194	2,676	2,518	RICHMOND
95	39	56	162	95	67	10,261	4,995	5,266	WESTMORELAND
56	28	28	51	25	26	5,284	2,511	2,773	ESSEX
324	142	182	527	260	267	30,106	15,030	15,076	GOOLCESTER
10	4	6	43	20	23	3,486	1,725	1,761	KING AND QUEEN
45	25	20	115	63	52	8,168	4,016	4,152	KING WILLIAM
22	15	7	83	43	40	7,599	3,690	3,909	MATHews
17	9	9	81	34	47	6,973	3,356	3,617	MIDDLESEX
1,888	674	1,214	3,369	1,873	1,496	71,457	35,848	35,609	CRATER DISTRICT
93	35	58	202	107	95	14,492	7,242	7,250	DINWIDDIE
46	31	15	190	137	53	4,159	2,390	1,769	GREENSVILLE
907	321	586	1,673	984	689	19,473	10,378	9,095	PRINCE GEORGE
2		2	31	13	18	2,605	1,287	1,318	SURRY
21	5	16	29	18	11	3,807	1,867	1,940	SUSSEX
27	12	15	81	30	51	2,756	1,282	1,474	EMPORIA
423	146	277	590	311	279	15,687	7,554	8,133	HOPEWELL
369	124	245	573	273	300	8,478	3,848	4,630	PETERSBURG
3,521	1,576	1,945	3,662	1,803	1,859	133,703	66,370	67,333	CHESAPEAKE DISTRICT
8,131	4,013	4,118	7,802	3,993	3,809	112,213	57,240	54,973	NORFOLK DISTRICT
1,098	529	569	1,819	924	895	47,079	23,069	24,010	PORTSMOUTH DISTRICT
26,989	12,503	14,486	19,161	9,375	9,786	336,611	169,215	167,396	VIRGINIA BEACH DISTRICT
508	225	283	991	474	517	63,282	31,541	31,741	WESTERN TIDEWATER
123	44	79	310	144	166	18,787	9,366	9,421	ISLE OF WIGHT
21	9	12	99	64	35	8,885	4,645	4,240	SOUTHAMPTON
28	19	9	25	10	15	3,736	1,757	1,979	FRANKLIN CITY
336	153	183	557	256	301	31,874	15,773	16,101	SUFFOLK
3,318	1,238	2,080	3,767	1,798	1,969	75,138	37,454	37,684	HAMPTON DISTRICT
9,340	3,832	5,508	9,654	4,783	4,871	207,877	103,468	104,409	PENINSULA DISTRICT
834	374	460	733	340	393	34,601	16,941	17,660	JAMES CITY CO
1,910	766	1,144	1,464	715	749	46,403	23,270	23,133	YORK
5,918	2,387	3,531	7,083	3,562	3,521	106,312	53,302	53,010	NEWPORT NEWS
241	107	134	161	60	101	11,085	5,533	5,552	POQUOSON
437	198	239	213	106	107	9,476	4,422	5,054	WILLIAMSBURG
122	54	68	935	538	397	26,402	12,602	13,800	EASTERN SHORE
98	44	54	601	345	256	19,946	9,532	10,414	ACCOMACK
24	10	14	334	193	141	6,456	3,070	3,386	NORTHAMPTON

Note: Refer to population section for column details.

Table 2
Resident Births by Race and Ethnicity by Health District, Virginia, 1998

	Resident Live Births			Rate per 1,000			Live Births	Rate per 1,000	Births	Rate
	Black	AEA	API	Black	AEA	API				
State of Virginia	21,868	216	4,277	16.0	11.6	17.3	5,739	22.9	66,872	13.0
LENOWISCO DISTRICT	17	2	2	11.3	19.8	7.8	5	9.3	1,081	12.4
LEE COUNTY	1			5.6			2	10.5	251	10.6
SCOTT COUNTY	4			22.2			1	8.9	242	10.8
WISE COUNTY	9	1	1	10.8	23.8	5.6	2	11.0	548	14.6
NORTON CITY	3	1	1	9.8	71.4	24.4			40	10.5
CUMBERLAND PLATEAU	11	1	8	4.0	8.8	17.4	2	2.4	1,201	10.1
BUCHANAN COUNTY			2			36.4			279	9.9
DICKENSON COUNTY							1	9.9	176	10.5
RUSSELL COUNTY	1			2.7					292	10.2
TAZEWELL COUNTY	10	1	6	6.6	17.9	16.7	1	4.2	454	10.1
MOUNT ROGERS DISTRICT	53	2	8	10.1	10.9	15.1	49	45.0	1,856	10.5
BLAND COUNTY									50	7.7
CARROLL COUNTY			1			24.4	4	16.9	252	9.1
GRAYSON COUNTY	5			8.7			7	62.5	146	9.4
SMYTH COUNTY	4			5.6			2	11.7	347	10.9
WASHINGTON COUNTY	6	1	3	7.0	25.6	27.5	5	20.3	528	11.0
WYTHE COUNTY	9	1		8.4	27.0		1	9.8	266	10.6
BRISTOL CITY	19		3	16.4		27.3	1	11.1	166	10.2
GALAX CITY	10		1	22.3		38.5	29	311.8	101	15.8
NEW RIVER DISTRICT	75	2	40	9.8	11.8	9.0	14	7.9	1,565	10.9
FLOYD COUNTY	3			7.9			2	19.4	143	11.3
GILES COUNTY	1		1	2.8		28.6			206	13.0
MONTGOMERY COUNTY	34	2	37	10.1	27.4	9.4	10	8.9	714	10.4
PULASKI COUNTY	18			7.6			2	8.4	401	12.5
RADFORD CITY	19		2	16.5		5.7			101	7.1
ALLEGHANY DISTRICT	66	8	23	9.0	49.4	15.8	18	13.7	1,649	10.8
ALLEGHANY COUNTY	6		1	19.4		19.2			135	11.5
BOTETOURT COUNTY	8			5.3			1	4.0	299	11.1
CRAIG COUNTY		1	1		200.0	142.9			43	8.8
ROANOKE COUNTY	22	5	17	9.1	58.1	17.7	10	14.0	795	10.3
CLIFTON FORGE CITY	5			6.7					52	14.5
COVINGTON CITY	12			10.7			3	75.0	73	12.9
SALEM CITY	13	2	4	10.3	62.5	16.7	4	23.1	252	10.9
ROANOKE CITY DISTRICT	391	1	24	15.2	5.7	24.9	17	17.4	931	13.9
CENTRAL SHENANDOAH	125	5	21	9.0	16.0	13.2	149	53.9	2,673	11.9
AUGUSTA COUNTY	16	1		6.3	19.2		8	20.4	685	11.6
BATH COUNTY	1			3.3					51	11.1
HIGHLAND COUNTY									11	4.4
ROCKBRIDGE COUNTY	3		1	4.3		13.5	1	10.3	191	10.2
ROCKINGHAM COUNTY	13	1		11.5	17.5		50	56.2	755	12.2
BUENA VISTA CITY	7	1		22.1	200.0		1	58.8	75	12.6
HARRISONBURG CITY	25		11	9.6		15.4	68	92.4	366	12.2
LEXINGTON CITY	5		4	5.1	35.4		3	32.6	43	6.9
STAUNTON CITY	30		4	9.0	29.6		3	11.6	232	11.7
WAYNESBORO CITY	25	2	1	12.6	46.5	17.2	15	62.5	264	16.0
LORD FAIRFAX DISTRICT	95	4	20	11.9	14.9	17.2	70	32.8	2,084	12.3
CLARKE COUNTY	8			6.1			2	14.9	106	9.3
FREDERICK COUNTY	26	1	11	20.8	10.3	29.0	10	18.2	721	13.5
PAGE COUNTY	2			3.6			2	10.9	243	10.9
SHENANDOAH COUNTY	4	1	1	8.4	24.4	5.9	24	47.7	376	11.1
WARREN COUNTY	14	2	3	7.9	37.7	23.4	9	20.2	374	13.3
WINCHESTER CITY	41		5	15.8		15.7	23	71.7	264	13.4
ALEXANDRIA DISTRICT	685	145	24.8	21.0		374	24.6	1,095	13.1	
ARLINGTON DISTRICT	310	3	273	15.5	3.8	16.4	712	21.7	1,832	13.1
FAIRFAX DISTRICT	1,365	21	1,984	17.3	7.5	17.9	2,110	24.6	10,495	13.7
FAIRFAX COUNTY	1,349	20	1,937	17.5	7.4	17.9	2,040	24.5	10,198	13.8
FAIRFAX CITY	14	1	41	12.9	18.5	19.7	55	31.9	221	12.6
FALLS CHURCH CITY	2		6	5.7		8.7	15	16.4	76	8.5
LOUDOUN DISTRICT	181	8	187	15.2	24.8	36.8	162	29.5	2,452	19.4
PRINCE WILLIAM DISTRICT	996	6	253	25.5	5.4	19.1	624	30.4	4,190	16.7
PRINCE WILLIAM COUNTY	887	6	225	25.9	6.1	19.9	476	27.8	3,498	16.4
MANASSAS CITY	89		20	21.3		12.5	125	44.7	537	18.2
MANASSAS PARK CITY	20		8	26.9		25.1	23	37.3	155	20.3
RAPPAHANNOCK/RAPIDAN	206	6	14	9.9	18.3	13.0	31	17.3	1,398	12.7
CULPEPER COUNTY	78	5	6	11.2	48.5	12.2	9	27.3	368	14.4
FAUQUIER COUNTY	52		7	7.5		15.3	14	13.7	581	12.5
MADISON COUNTY	18	1		8.6	25.0				113	10.7
ORANGE COUNTY	56		1	13.1		12.5	5	18.7	249	11.9
RAPPAHANNOCK COUNTY	2			3.2			3	27.0	87	13.2
THOMAS JEFFERSON	386	5	47	11.3	18.3	11.7	60	22.8	1,856	12.4
ALBEMARLE COUNTY	99	3	31	11.0	33.3	11.8	31	22.9	801	12.0
FLUVANNA COUNTY	32		1	6.8		25.6	4	24.8	168	12.2
GREENE COUNTY	10		1	9.4		17.2	3	27.3	197	15.3
LOUISA COUNTY	72	1	1	10.0	12.7	15.4	1	5.0	231	13.3
NELSON COUNTY	33		2	11.0		51.3	6	33.7	146	13.4
CHARLOTTESVILLE CITY	140	1	11	15.2	24.4	9.2	15	23.7	313	11.3
CENTRAL VIRGINIA	588	5	27	13.2	12.2	21.0	17	9.3	2,015	11.5
AMHERST COUNTY	80	2	2	11.7	14.7	18.9	2	6.1	272	11.9
APPOMATTOX COUNTY	42	1		12.4	62.5		2	38.5	115	11.8
BEDFORD COUNTY	28		5	5.3		23.5	2	6.0	590	11.7
CAMPBELL COUNTY	132		9	15.8		36.1	4	11.5	527	12.6

Table 2
Resident Births by Race and Ethnicity by Health District, Virginia, 1998

	Resident Live Births			Rate per 1,000			Live Births	Rate per 1,000	Births	Rate
	Black	AEA	API	Black	AEA	API				
CENTRAL VIRGINIA (con't)	588	5	27	13.2	12.2	21.0	17	9.3	2,015	11.5
BEDFORD CITY	20		2	13.0		46.5			71	15.0
LYNCHBURG CITY	286	2	9	15.0	16.0	13.6	7	10.3	440	9.6
PITTSYLVANIA/DANVILLE	565	1	11	15.1	7.9	25.9	27	36.0	777	11.0
PITTSYLVANIA COUNTY	149		1	8.6		11.6	13	35.0	520	13.0
DANVILLE CITY	416	1	10	20.7	13.2	29.6	14	36.8	257	8.5
WEST PIEDMONT	299	1	9	10.8	6.6	29.0	51	59.0	1,119	10.5
FRANKLIN COUNTY	49		3	8.9		27.8	8	36.0	407	10.5
HENRY COUNTY	127	1	5	8.8	15.4	36.5	35	95.4	431	10.5
PATRICK COUNTY	14			9.0			5	26.3	178	10.6
MARTINSVILLE CITY	109		1	17.7		28.6	3	34.9	103	10.9
SOUTHSIDE DISTRICT	482	3	12.4	18.8			13	22.3	506	11.2
BRUNSWICK COUNTY	103			10.0			1	12.8	76	12.0
HALIFAX COUNTY	199		2	12.7		25.3	9	27.4	239	11.4
MECKLENBURG COUNTY	180		1	13.9		15.4	3	16.9	191	10.6
PIEDMONT DISTRICT	405	1	1	10.6	6.8	3.6	5	6.9	616	11.7
AMELIA COUNTY	38			10.2					99	15.0
BUCKINGHAM COUNTY	57		1	8.5		32.3	2	32.8	85	10.8
CHARLOTTE COUNTY	52			10.6					98	13.3
CUMBERLAND COUNTY	32			9.6					74	16.4
LUNENBURG COUNTY	50			9.4			1	6.6	66	9.9
NOTTOWAY COUNTY	72			10.7			1	8.5	93	11.4
PRINCE EDWARD COUNTY	104	1		13.7	32.3		1	5.5	101	8.9
CHESTERFIELD DISTRICT	736	12	99	17.0	17.1	14.4	87	17.7	2,966	12.7
CHESTERFIELD COUNTY	673	12	88	17.9	19.6	14.0	81	17.9	2,570	12.8
POWHATAN COUNTY	30		1	5.4		18.2	2	15.7	214	13.2
COLONIAL HEIGHTS CITY	33		10	207.5		18.4	4	15.6	182	11.2
HANOVER DISTRICT	198	12	12	8.2	13.2	18.9	10	11.6	1,191	12.6
CHARLES CITY COUNTY	42	7		8.9	13.1				38	20.9
GOOCHLAND COUNTY	29			4.6					155	13.6
HANOVER COUNTY	99	4	9	10.3	20.9	18.2	10	16.1	891	12.4
NEW KENT COUNTY	28	1	3	8.1	6.2	45.5			107	11.4
HENRICO DISTRICT	1,050	13	156	18.7	18.3	22.4	74	20.3	2,300	12.6
RICHMOND CITY DISTRICT	1,906	6	44	16.9	12.3	19.1	69	27.8	866	11.0
RAPPAHANNOCK DISTRICT	507	5	62	14.0	4.8	17.8	79	13.3	2,763	14.5
CAROLINE COUNTY	98	3	4	10.7	11.7	50.0	2	12.2	199	15.9
KING GEORGE COUNTY	41		3	10.4		13.3	2	6.9	212	16.3
SPOTSYLVANIA COUNTY	139	1	19	13.3	3.3	14.7	23	12.1	1,031	14.4
STAFFORD COUNTY	145	1	33	20.1	2.5	21.0	38	13.4	1,108	14.2
FREDERICKSBURG CITY	84		3	15.8		9.7	14	19.1	213	13.3
THREE RIVERS DISTRICT	365	4	10	10.0	7.1	15.3	27	19.8	967	10.5
LANCASTER COUNTY	65			17.5			1	8.8	52	6.8
NORTHUMBERLAND COUNTY	38			10.3			1	11.5	57	7.3
RICHMOND COUNTY	22		2	6.4		51.3	2	20.2	47	9.0
WESTMORELAND COUNTY	84			14.3			17	104.9	118	11.5
ESSEX COUNTY	42		1	11.3		17.9	1	19.6	67	12.7
GOOCHLAND COUNTY	37	1	5	8.1	12.0	15.4	3	5.7	343	11.4
KING AND QUEEN COUNTY	16		1	5.4		100.0	1	23.3	53	15.2
KING WILLIAM COUNTY	26	3	1	6.1	11.4	22.2			119	14.6
MATHEWS COUNTY	11			7.7			1	12.0	63	8.3
MIDDLESEX COUNTY	24			9.1					48	6.9
CRATER DISTRICT	983	4	17	13.8	10.1	9.0	37	11.0	862	12.1
DINWIDDIE COUNTY	70		3	7.0		32.3	1	5.0	175	12.1
GREENSVILLE COUNTY	55		1	7.8		21.7			35	8.4
PRINCE GEORGE COUNTY	98	2	7	10.2	15.9	7.7	18	10.8	232	11.9
SURRY COUNTY	27			7.0			1	32.3	35	13.4
SUSSEX COUNTY	64			10.5					50	13.1
EMPORIA CITY	52			19.4					25	9.1
HOPEWELL CITY	159		4	25.0		9.5	8	13.6	200	12.7
PETERSBURG CITY	458	2	2	17.8	24.4	5.4	9	15.7	110	13.0
CHESAPEAKE DISTRICT	851	8	74	13.8	12.5	21.0	44	12.0	1,880	14.1
NORFOLK DISTRICT	2,143	15	139	22.8	15.5	17.1	151	19.4	1,708	15.2
PORTSMOUTH DISTRICT	946	6	17	18.8	19.5	15.5	25	13.7	673	14.3
VIRGINIA BEACH DISTRICT	1,409	20	353	21.0	11.9	13.1	326	17.0	4,559	13.5
WESTERN TIDEWATER	696	2	12	12.9	8.8	23.6	13	13.1	807	12.8
ISLE OF WIGHT COUNTY	106	1	3	10.3	17.9	24.4	3	9.7	248	13.2
SOUTHAMPTON COUNTY	80			9.4			1	10.1	104	11.7
FRANKLIN CITY	55		1	11.2		35.7	1	40.0	36	9.6
SUFFOLK CITY	455	1	8	15.0	6.6	23.8	8	14.4	419	13.1
HAMPTON DISTRICT	927	9	72	16.0	21.3	21.7	67	17.8	1,027	13.7
PENINSULA DISTRICT	1,607	18	110	18.5	17.8	11.8	153	15.8	2,594	12.5
JAMES CITY COUNTY	88	1	7	10.1	11.2	8.4	7	9.5	326	9.4
YORK COUNTY	78	4	18	7.6	24.5	9.4	10	6.8	446	9.6
NEWPORT NEWS CITY	1,403	11	82	21.4	15.6	13.9	131	18.5	1,621	15.2
POQUOSON CITY	2		2	19.4		8.3	1	6.2	97	8.8
WILLIAMSBURG CITY	36	2	1	17.7	74.1	2.3	4	18.8	104	11.0
EASTERN SHORE	243			13.2			67	71.7	318	12.0
ACCOMACK COUNTY	167			13.7	-		54	89.9	247	12.4
NORTHAMPTON COUNTY	76			12.2	-		13	38.9	71	11.0

Table 3
Resident Non-Marital Childbearing by Race and Ethnicity by Health District, Virginia, 1998

	Resident Non-Marital Childbearing			Percent			NMC Live Births	Percent	NMC Births	Percent
	Black	AEA	API	Black	AEA	API	Hispanic (any race)		White	
State of Virginia	13,934	56	409	63.7	25.9	9.6	2,094	36.5	13,332	19.9
LENOWISCO DISTRICT	14			82.4					296	27.4
LEE COUNTY	1			100.0					63	25.1
SCOTT COUNTY	3			75.0					54	22.3
WISE COUNTY	8			88.9					165	30.1
NORTON CITY	2			66.7					14	35.0
CUMBERLAND PLATEAU	7	1		63.6	100.0				318	26.5
BUCHANAN COUNTY									89	31.9
DICKENSON COUNTY									49	27.8
RUSSELL COUNTY									63	21.6
TAZEWELL COUNTY	7	1		70.0	100.0				117	25.8
MOUNT ROGERS DISTRICT	34	1		64.2	50.0		21	42.9	473	25.5
BLAND COUNTY									8	16.0
CARROLL COUNTY									52	20.6
GRAYSON COUNTY	4			80.0			1	25.0	38	26.0
SMYTH COUNTY	3			75.0			2	28.6	91	26.2
WASHINGTON COUNTY	3			50.0			1	50.0	131	24.8
WYTHE COUNTY	5	1		55.6	100.0				68	25.6
BRISTOL CITY	14			73.7					44	26.5
GALAX CITY	5			50.0			16	55.2	41	40.6
NEW RIVER DISTRICT	58	1	1	77.3	50.0	2.5	6	42.9	362	23.1
FLOYD COUNTY	3			100.0			1	50.0	34	23.8
GILES COUNTY									50	24.3
MONTGOMERY COUNTY	25	1	1	73.5	50.0	2.7	5	50.0	141	19.7
PULASKI COUNTY	15			83.3					105	26.2
RADFORD CITY	15			78.9					32	31.7
ALLEGHANY DISTRICT	37	1	3	56.1	12.5	13.0	5	27.8	347	21.0
ALLEGHANY COUNTY									33	24.4
BOTETOURT COUNTY	6			75.0					63	21.1
CRAIG COUNTY		1		100.0					7	16.3
ROANOKE COUNTY	8		2	36.4		11.8	2	20.0	136	17.1
CLIFTON FORGE CITY	4			80.0					26	50.0
COVINGTON CITY	9			75.0			3	100.0	30	41.1
SALEM CITY	10	1		76.9		25.0			52	20.6
ROANOKE CITY DISTRICT	302		8	77.2	33.3		11	64.7	308	33.1
CENTRAL SHENANDOAH	92	1	2	73.6	20.0	9.5	51	34.2	742	27.8
AUGUSTA COUNTY	8	1		50.0	100.0		2	25.0	153	22.3
BATH COUNTY									5	9.8
HIGHLAND COUNTY									2	18.2
ROCKBRIDGE COUNTY	2			66.7					63	33.0
ROCKINGHAM COUNTY	10			76.9			14	28.0	183	24.2
BUENA VISTA CITY	6			85.7					23	30.7
HARRISONBURG CITY	19		1	76.0		9.1	29	42.6	127	34.7
LEXINGTON CITY	3		1	60.0		25.0	1	33.3	9	20.9
STAUNTON CITY	26			86.7			2	66.7	70	30.2
WAYNESBORO CITY	18			72.0			3	20.0	107	40.5
LORD FAIRFAX DISTRICT	60	3	4	63.2	75.0	20.0	17	24.3	625	30.0
CLARKE COUNTY		4		50.0					20	18.9
FREDERICK COUNTY	14	1	2	53.8	100.0	18.2	2	20.0	184	25.5
PAGE COUNTY	2			100.0			1	50.0	93	38.3
SHENANDOAH COUNTY	4			100.0			11	45.8	128	34.0
WARREN COUNTY	9	2	1	64.3	100.0	33.3	1	11.1	104	27.8
WINCHESTER CITY	27		1	65.9		20.0	2	8.7	96	36.4
ALEXANDRIA DISTRICT	305		14	44.5	9.7		157	42.0	150	13.7
ARLINGTON DISTRICT	130		24	41.9	8.8		322	45.2	308	16.8
FAIRFAX DISTRICT	579	4	108	42.4	19.0	5.4	785	37.2	1,383	13.2
FAIRFAX COUNTY	571	4	105	42.3	20.0	5.4	756	37.1	1,330	13.0
FAIRFAX CITY	6		2	42.9		4.9	22	40.0	40	18.1
FALLS CHURCH CITY	2		1	100.0		16.7	7	46.7	13	17.1
LOUDOUN DISTRICT	72	2	9	39.8	25.0	4.8	38	23.5	218	8.9
PRINCE WILLIAM DISTRICT	465	1	28	46.7	16.7	11.1	191	30.6	815	19.5
PRINCE WILLIAM COUNTY	419	1	25	47.2	16.7	11.1	134	28.2	649	18.6
MANASSAS CITY	42		3	47.2		15.0	48	38.4	118	22.0
MANASSAS PARK CITY	4			20.0			9	39.1	48	31.0
RAPPAHANNOCK/RAPIDAN	142	1	4	68.9	16.7	28.6	10	32.3	348	24.9
CULPEPER COUNTY	61			78.2			4	44.4	108	29.3
FAUQUIER COUNTY	32		4	61.5		57.1	4	28.6	129	22.2
MADISON COUNTY	12	1		66.7	100.0				26	23.0
ORANGE COUNTY	36			64.3			2	40.0	68	27.3
RAPPAHANNOCK COUNTY	1			50.0					17	19.5
THOMAS JEFFERSON	276	1	3	71.5	20.0	6.4	17	28.3	393	21.2
ALBEMARLE COUNTY	65	1	3	65.7	33.3	9.7	6	19.4	128	16.0
FLUVIANNA COUNTY	15			46.9					24	14.3
GREENE COUNTY	9			90.0			2	66.7	56	28.4
LOUISA COUNTY	43			59.7			1	100.0	77	33.3
NELSON COUNTY	24			72.7			1	16.7	39	26.7
CHARLOTTESVILLE CITY	120			85.7			7	46.7	69	22.0
CENTRAL VIRGINIA	433	1	6	73.6	20.0	22.2	6	35.3	437	21.7
AMHERST COUNTY	54			67.5	50.0				58	21.3
APPOMATTOX COUNTY	29			69.0			1	50.0	17	14.8
BEDFORD COUNTY	19		2	67.9		40.0	1	50.0	114	19.3
CAMPBELL COUNTY	90		3	68.2		33.3	1	25.0	129	24.5

Table 3
Resident Non-Marital Childbearing by Race and Ethnicity by Health District, Virginia, 1998

	Resident Non-Marital Childbearing			Percent			NMC Live Births	Percent	NMC Births	Percent
	Black	AEA	API	Black	AEA	API	Hispanic (any race)	White		
CENTRAL VIRGINIA (con't)	433	1	6	73.6	20.0	22.2	6	35.3	437	21.7
BEDFORD CITY	16			80.0					17	23.9
LYNCHBURG CITY	225		1	78.7		11.1	3	42.9	102	23.2
PITTSYLVANIA/DANVILLE	396			70.1			18	66.7	185	23.8
PITTSYLVANIA COUNTY	101			67.8			7	53.8	102	19.6
DANVILLE CITY	295			70.9			11	78.6	83	32.3
WEST PIEDMONT	205		2	68.6		22.2	25	49.0	283	25.3
FRANKLIN COUNTY	33		1	67.3		33.3	5	62.5	89	21.9
HENRY COUNTY	82		1	64.6		20.0	17	48.6	120	27.8
PATRICK COUNTY	11			78.6			1	20.0	44	24.7
MARTINSVILLE CITY	79			72.5			2	66.7	30	29.1
SOUTHSIDE DISTRICT	373			77.4			5	38.5	120	23.7
BRUNSWICK COUNTY	87			84.5					22	28.9
HALIFAX COUNTY	140			70.4			4	44.4	47	19.7
MECKLENBURG COUNTY	146			81.1			1	33.3	51	26.7
PIEDMONT DISTRICT	291			71.9			1	20.0	125	20.3
AMELIA COUNTY	25			65.8					15	15.2
BUCKINGHAM COUNTY	38			66.7					17	20.0
CHARLOTTE COUNTY	36			69.2					26	26.5
CUMBERLAND COUNTY	27			84.4					15	20.3
LUNENBURG COUNTY	36			72.0					16	24.2
NOTTOWAY COUNTY	51			70.8			1	100.0	22	23.7
PRINCE EDWARD COUNTY	78			75.0					14	13.9
CHESTERFIELD DISTRICT	348	4	15	47.3	33.3	15.2	27	31.0	495	16.7
CHESTERFIELD COUNTY	311	4	9	46.2	33.3	10.2	24	29.6	424	16.5
POWHATAN COUNTY	19			63.3			1	50.0	24	11.2
COLONIAL HEIGHTS CITY	18		6	54.5		60.0	2	50.0	47	25.8
HANOVER DISTRICT	126	2	2	63.6	16.7	16.7	2	20.0	138	11.6
CHARLES CITY COUNTY	27	1		64.3	14.3				8	21.1
GOOCHLAND COUNTY	21			72.4					22	14.2
HANOVER COUNTY	60	1	2	60.6	25.0	22.2	2	20.0	92	10.3
NEW KENT COUNTY	18			64.3					16	15.0
HENRICO DISTRICT	654	4	10	62.3	30.8	6.4	27	36.5	351	15.3
RICHMOND CITY DISTRICT	1,555	3	12	81.6	50.0	27.3	40	58.0	235	27.1
RAPPAHANNOCK DISTRICT	291		8	57.4		12.9	24	30.4	638	23.1
CAROLINE COUNTY	65			66.3					53	26.6
KING GEORGE COUNTY	26			63.4					49	23.1
SPOTSYLVANIA COUNTY	67		3	48.2		15.8	10	43.5	222	21.5
STAFFORD COUNTY	68		4	46.9		12.1	8	21.1	235	21.2
FREDERICKSBURG CITY	65	1		77.4		33.3	6	42.9	79	37.1
THREE RIVERS DISTRICT	273		1	74.8		10.0	5	18.5	220	22.8
LANCASTER COUNTY	54			83.1					7	13.5
NORTHUMBERLAND COUNTY	26			68.4					16	28.1
RICHMOND COUNTY	16			72.7					11	23.4
WESTMORELAND COUNTY	60			71.4			4	23.5	37	31.4
ESSEX COUNTY	32			76.2					19	28.4
GOOCHESTER COUNTY	24		1	64.9		20.0	1	33.3	77	22.4
KING AND QUEEN COUNTY	12			75.0					8	15.1
KING WILLIAM COUNTY	22			84.6					23	19.3
MATHEWS COUNTY	7			63.6					12	19.0
MIDDLESEX COUNTY	20			83.3					10	20.8
CRATER DISTRICT	689	2	5	70.1	50.0	29.4	11	29.7	213	24.7
DINWIDDIE COUNTY	51			72.9					37	21.1
GREENSVILLE COUNTY	40			72.7					6	17.1
PRINCE GEORGE COUNTY	40		2	40.8		28.6	2	11.1	38	16.4
SURRY COUNTY	20			74.1			1	100.0	7	20.0
SUSSEX COUNTY	44			68.8					11	22.0
EMPORIA CITY	38			73.1					8	32.0
HOPEWELL CITY	123		2	77.4		50.0	4	50.0	66	33.0
PETERSBURG CITY	333	2	1	72.7	100.0	50.0	4	44.4	40	36.4
CHESAPEAKE DISTRICT	502	2	6	59.0	25.0	8.1	7	15.9	337	17.9
NORFOLK DISTRICT	1,514	7	36	70.6	46.7	25.9	54	35.8	447	26.2
PORTSMOUTH DISTRICT	678	3	6	71.7	50.0	35.3	10	40.0	177	26.3
VIRGINIA BEACH DISTRICT	724	5	55	51.4	25.0	15.6	91	27.9	854	18.7
WESTERN TIDEWATER	489		2	70.3		16.7	4	30.8	141	17.5
ISLE OF WIGHT COUNTY	67		1	63.2		33.3	1	33.3	39	15.7
SOUTHAMPTON COUNTY	58			72.5					12	11.5
FRANKLIN CITY	37			67.3					14	38.9
SUFFOLK CITY	327		1	71.9		12.5	3	37.5	76	18.1
HAMPTON DISTRICT	565	3	12	60.9	33.3	16.7	16	23.9	238	23.2
PENINSULA DISTRICT	1,058	3	23	65.8	16.7	20.9	52	34.0	504	19.4
JAMES CITY COUNTY	63	1		71.6	100.0		3	42.9	55	16.9
YORK COUNTY	42		1	53.8		5.6			58	13.0
NEWPORT NEWS CITY	924	2	21	65.9	18.2	25.6	47	35.9	358	22.1
POQUOSON CITY	1		1	50.0		50.0			11	11.3
WILLIAMSBURG CITY	28			77.8			2	50.0	22	21.2
EASTERN SHORE	197			81.1			38	56.7	108	34.0
ACCOMACK COUNTY	136			81.4			31	57.4	82	33.2
NORTHAMPTON COUNTY	61			80.3			7	53.8	26	36.6

Table 4
Resident Low Weight Births by Race and Ethnicity by Health District, Virginia, 1998

	Resident Low Weight Births			Percent			Low Weight Births Hispanic (any race)	Percent	LWB	Percent	
	Black	AEA	API	Black	AEA	API					
State of Virginia	2,779	14	318	12.7	6.5	7.4	374	6.5	4,324	6.5	
LENOWISCO DISTRICT	2			11.8					70	6.5	
LEE COUNTY									16	6.4	
SCOTT COUNTY									12	5.0	
WISE COUNTY		2			22.2				38	6.9	
NORTON CITY									4	10.0	
CUMBERLAND PLATEAU	1			9.1					107	8.9	
BUCHANAN COUNTY									26	9.3	
DICKENSON COUNTY									13	7.4	
RUSSELL COUNTY									28	9.6	
TAZEWELL COUNTY		1			10.0				40	8.8	
MOUNT ROGERS DISTRICT	8			15.1			3	6.1	137	7.4	
BLAND COUNTY									3	6.0	
CARROLL COUNTY									14	5.6	
GRAYSON COUNTY							1	14.3	9	6.2	
SMYTH COUNTY		1		25.0			1	50.0	29	8.4	
WASHINGTON COUNTY		1		16.7					40	7.6	
WYTHE COUNTY									20	7.5	
BRISTOL CITY		3		15.8					14	8.4	
GALAX CITY		3		30.0			1	3.4	8	7.9	
NEW RIVER DISTRICT	8	2	2	10.7	100.0	5.0			101	6.5	
FLOYD COUNTY									6	4.2	
GILES COUNTY		1	1	100.0		100.0			15	7.3	
MONTGOMERY COUNTY		2	2	5.9	100.0	2.7			46	6.4	
PULASKI COUNTY		3		16.7					29	7.2	
RADFORD CITY		2		10.5					5	5.0	
ALLEGHANY DISTRICT	5		1	7.6		4.3			117	7.1	
ALLEGHANY COUNTY		1		16.7					10	7.4	
BOTETOURT COUNTY									27	9.0	
CRAIG COUNTY									5	11.6	
ROANOKE COUNTY		2	1	9.1		5.9			54	6.8	
CLIFTON FORGE CITY									6	11.5	
COVINGTON CITY									5	6.8	
SALEM CITY		2		15.4					10	4.0	
ROANOKE CITY DISTRICT	58		1	14.8		4.2	2	11.8	70	7.5	
CENTRAL SHENANDOAH	10			8.0			12	8.1	188	7.0	
AUGUSTA COUNTY		1		6.3			2	25.0	41	6.0	
BATH COUNTY									3	5.9	
HIGHLAND COUNTY									2	18.2	
ROCKBRIDGE COUNTY									20	10.5	
ROCKINGHAM COUNTY		3		23.1			5	10.0	56	7.4	
BUENA VISTA CITY									9	12.0	
HARRISONBURG CITY		2		8.0			4	5.9	28	7.7	
LEXINGTON CITY		1		20.0					1	2.3	
STAUNTON CITY		1		3.3					10	4.3	
WAYNESBORO CITY		2		8.0			1	6.7	18	6.8	
LORD FAIRFAX DISTRICT	20		2	21.1		10.0	6	8.6	154	7.4	
CLARKE COUNTY		2		25.0					13	12.3	
FREDERICK COUNTY		3	2	11.5		18.2			47	6.5	
PAGE COUNTY		1		50.0					15	6.2	
SHENANDOAH COUNTY		2		50.0			1	4.2	27	7.2	
WARREN COUNTY		3		21.4			1	11.1	25	6.7	
WINCHESTER CITY		9		22.0			4	17.4	27	10.2	
ALEXANDRIA DISTRICT	82		5	12.0		3.4	19	5.1	63	5.8	
ARLINGTON DISTRICT	26		17	8.4		6.2	49	6.9	114	6.2	
FAIRFAX DISTRICT	123	1	129	9.0	4.8	6.5	127	6.0	590	5.6	
FAIRFAX COUNTY		123	1	127	9.1	5.0	6.6	125	6.1	576	5.6
FAIRFAX CITY			2			4.9	1	1.8	8	3.6	
FALLS CHURCH CITY							1	6.7	6	7.9	
LOUDOUN DISTRICT	22		16	12.2		8.6	14	8.6	137	5.6	
PRINCE WILLIAM DISTRICT	114		33	11.4		13.0	41	6.6	225	5.4	
PRINCE WILLIAM COUNTY		106		30	12.0	13.3	29	6.1	186	5.3	
MANASSAS CITY		6		1	6.7		6	4.8	29	5.4	
MANASSAS PARK CITY		2	2	10.0		25.0	6	26.1	10	6.5	
RAPPAHANNOCK/RAPIDAN	22		2	10.7		14.3	1	3.2	78	5.6	
CULPEPER COUNTY		6		1	7.7	16.7	1	11.1	15	4.1	
FAUQUIER COUNTY		3		1	5.8	14.3			28	4.8	
MADISON COUNTY		4			22.2				11	9.7	
ORANGE COUNTY		9			16.1				17	6.8	
RAPPAHANNOCK COUNTY									7	8.0	
THOMAS JEFFERSON	52	1	2	13.5	20.0	4.3	3	5.0	136	7.3	
ALBEMARLE COUNTY		15	1	2	15.2	33.3	6.5	1	3.2	51	6.4
FLUVIANNA COUNTY		6			18.8				21	12.5	
GREENE COUNTY		1			10.0				12	6.1	
LOUISA COUNTY		7			9.7				23	10.0	
NELSON COUNTY		1			3.0				12	8.2	
CHARLOTTESVILLE CITY		22			15.7		2	13.3	17	5.4	
CENTRAL VIRGINIA	60		2	10.2		7.4			104	5.2	
AMHERST COUNTY		9			11.3				16	5.9	
APPOMATTOX COUNTY		2			4.8				14	12.2	
BEDFORD COUNTY		5			17.9				32	5.4	
CAMPBELL COUNTY		17			12.9				23	4.4	

Table 4
Resident Low Weight Births by Race and Ethnicity by Health District, Virginia, 1998

	Resident Low Weight Births			Percent			Low Weight Births Hispanic (any race)	Percent	LWB White	Percent
	Black	AEA	API	Black	AEA	API				
CENTRAL VIRGINIA (con't)	60	2		10.2	7.4				104	5.2
BEDFORD CITY	2	1		10.0	50.0				3	4.2
LYNCHBURG CITY	25	1		8.7	11.1				16	3.6
PITTSYLVANIA/DANVILLE	79	1		14.0	9.1		2	7.4	43	5.5
PITTSYLVANIA COUNTY	23			15.4			2	15.4	30	5.8
DANVILLE CITY	56	1		13.5	10.0				13	5.1
WEST PIEDMONT	34			11.4			3	5.9	87	7.8
FRANKLIN COUNTY	6			12.2			2	25.0	26	6.4
HENRY COUNTY	15			11.8			1	2.9	36	8.4
PATRICK COUNTY	3			21.4					18	10.1
MARTINSVILLE CITY	10			9.2					7	6.8
SOUTHSIDE DISTRICT	61			12.7					30	5.9
BRUNSWICK COUNTY	9			8.7					5	6.6
HALIFAX COUNTY	28			14.1					15	6.3
MECKLENBURG COUNTY	24			13.3					10	5.2
PIEDMONT DISTRICT	65			16.0					39	6.3
AMELIA COUNTY	7			18.4					4	4.0
BUCKINGHAM COUNTY	11			19.3					6	7.1
CHARLOTTE COUNTY	8			15.4					9	9.2
CUMBERLAND COUNTY									2	2.7
LUNENBURG COUNTY	10			20.0					4	6.1
NOTTOWAY COUNTY	6			8.3					4	4.3
PRINCE EDWARD COUNTY	23			22.1					10	9.9
CHESTERFIELD DISTRICT	98	2	10	13.3	16.7	10.1	9	10.3	207	7.0
CHESTERFIELD COUNTY	92	2	8	13.7	16.7	9.1	9	11.1	184	7.2
POWHATAN COUNTY	2			6.7					14	6.5
COLONIAL HEIGHTS CITY	4		2	12.1	20.0				9	4.9
HANOVER DISTRICT	23		1	11.6	8.3				79	6.6
CHARLES CITY COUNTY	4			9.5					1	2.6
GOOCHLAND COUNTY	2			6.9					15	9.7
HANOVER COUNTY	13		1	13.1	11.1				59	6.6
NEW KENT COUNTY	4			14.3					4	3.7
HENRICO DISTRICT	129	1	11	12.3	7.7	7.1	5	6.8	166	7.2
RICHMOND CITY DISTRICT	316	2	4	16.6	33.3	9.1	3	4.3	69	8.0
RAPPAHANNOCK DISTRICT	66	1	5	13.0	20.0	8.1	6	7.6	173	6.3
CAROLINE COUNTY	17	1	1	17.3	33.3	25.0			11	5.5
KING GEORGE COUNTY	7			17.1					17	8.0
SPOTSYLVANIA COUNTY	15		1	10.8	5.3				47	4.6
STAFFORD COUNTY	17		3	11.7	9.1		4	10.5	79	7.1
FREDERICKSBURG CITY	10			11.9			2	14.3	19	8.9
THREE RIVERS DISTRICT	40	1	1	11.0	25.0	10.0			69	7.1
LANCASTER COUNTY	7			10.8						
NORTHUMBERLAND COUNTY	5			13.2					3	5.3
RICHMOND COUNTY	2			9.1					6	12.8
WESTMORELAND COUNTY	7			8.3					7	5.9
ESSEX COUNTY	4			9.5					10	14.9
GLoucester County	4		1	10.8	20.0				19	5.5
KING AND QUEEN COUNTY	2			12.5					3	5.7
KING WILLIAM COUNTY	6	1		23.1	33.3				12	10.1
MATHEWS COUNTY	2			18.2					4	6.3
MIDDLESEX COUNTY	1			4.2					5	10.4
CRATER DISTRICT	135			13.7			3	8.1	55	6.4
DINWIDDIE COUNTY	6			8.6					5	2.9
GREENSVILLE COUNTY	3			5.5					2	5.7
PRINCE GEORGE COUNTY	10			10.2			1	5.6	14	6.0
SURRY COUNTY	7			25.9						
SUSSEX COUNTY	6			9.4					6	12.0
EMPORIA CITY	9			17.3					3	12.0
HOPEWELL CITY	17			10.7					13	6.5
PETERSBURG CITY	77			16.8			2	22.2	12	10.9
CHESAPEAKE DISTRICT	90	1	8	10.6	12.5	10.8	3	6.8	151	8.0
NORFOLK DISTRICT	314	1	9	14.7	6.7	6.5	12	7.9	129	7.6
PORTSMOUTH DISTRICT	138		2	14.6	11.8				40	5.9
VIRGINIA BEACH DISTRICT	168		37	11.9	10.5		28	8.6	296	6.5
WESTERN TIDEWATER	74			10.6			1	7.7	44	5.5
ISLE OF WIGHT COUNTY	10			9.4					14	5.6
SOUTHAMPTON COUNTY	12			15.0					4	3.8
FRANKLIN CITY	7			12.7					3	8.3
SUFFOLK CITY	45			9.9			1	12.5	23	5.5
HAMPTON DISTRICT	100		7	10.8	9.7		2	3.0	67	6.5
PENINSULA DISTRICT	200	1	10	12.4	5.6	9.1	18	11.8	168	6.5
JAMES CITY COUNTY	7			8.0					17	5.2
YORK COUNTY	5		3	6.4	16.7				26	5.8
NEWPORT NEWS CITY	182	1	7	13.0	9.1	8.5	17	13.0	102	6.3
POQUOSON CITY									6	6.2
WILLIAMSBURG CITY	6			16.7			1		17	16.3
EASTERN SHORE	36			14.8			2	3.0	21	6.6
ACCOMACK COUNTY	24			14.4			2	3.7	18	7.3
NORTHAMPTON COUNTY	12			15.8					3	4.2

Table 5
Resident Births by Trimester Care Began by Race and Ethnicity, Virginia, 1998

Race	Total	Trimester Care Began									
		No Care	%	First	%	Second	%	Third	%	Unknown	%
Total	94,114	1,062	1.1	79,774	84.8	10,756	11.4	2,028	2.2	494	0.5
Black	21,868	498	2.3	16,174	74.0	4,231	19.3	834	3.8	131	0.6
AEA	216	2	0.9	174	80.6	29	13.4	11	5.1		
API	4,277	23	0.5	3,563	83.3	535	12.5	119	2.8	37	0.9
Other Races	881	20	2.3	576	65.4	219	24.9	46	5.2	20	2.3
Hispanic	5,739	68	1.2	4,162	72.5	1,199	20.9	265	4.6	45	0.8
White	66,872	519	0.8	59,287	88.7	5,742	8.6	1,018	1.5	306	0.5

Table 6
Resident Births With Alcohol, Tobacco and Drug Use By Mother's Race and Ethnicity, Virginia, 1998

Race	All Births	Alcohol Use		Tobacco Use		Drug Use	
			Percent		Percent		Percent
Total	94,114	651	0.7	9,706	10.3	591	0.6
Black	21,868	218	1.0	1,778	8.1	366	1.7
AEA	216			16	7.4	1	0.5
API	4,277	12	0.3	83	1.9	4	0.1
Other Races	881	1	0.1	8	0.9	2	0.2
Hispanic	5,739	13	0.2	102	1.8	9	0.2
White	66,872	420	0.6	7,821	11.7	218	0.3

Table 7
Resident Births By Education Of Mother By Race and Ethnicity, Virginia, 1998

Race	Total	Education Of Mother									
		0-6	%	7-8	%	9-12	%	College	%	Unknown	%
Total	94,114	1,447	1.5	1,518	1.6	41,817	44.4	48,883	51.9	449	0.5
Black	21,868	70	0.3	445	2.0	13,277	60.7	7,968	36.4	108	0.5
AEA	216	2		5	2.3	94	43.5	113	52.3	2	0.9
API	4,277	78	1.8	58	1.4	1,262	29.5	2,839	66.4	40	0.9
Other Races	881	199	22.6	54	6.1	382	43.4	233	26.4	13	1.5
Hispanic	5,739	1,092	19.0	350	6.1	2,665	46.4	1,582	27.6	50	0.9
White	66,872	1,098	1.6	956	1.4	26,802	40.1	37,730	56.4	286	0.4

Table 8
Resident Natural Fetal Deaths by Race and Ethnicity by Health District with Rates*, Virginia, 1998

	Resident Natural Fetal Deaths			Rate per 1,000			Fetal Deaths	Rate per 1,000	Fetal deaths	Rate
	Black	AEA	API	Black	AEA	API	Hispanic(any race)		White	
State of Virginia	1,923	8	167	5.5	1.7	2.5	239	3.6	5,397	4.6
LENOWISCO DISTRICT	3			10.5					68	3.7
LEE COUNTY									29	6.0
SCOTT COUNTY									3	
WISE COUNTY									36	4.4
NORTON CITY										
CUMBERLAND PLATEAU	3			6.8					94	3.7
BUCHANAN COUNTY									31	5.0
DICKENSON COUNTY									16	4.6
RUSSELL COUNTY	2			32.3					19	3.1
TAZEWELL COUNTY	1			3.2					28	3.0
MOUNT ROGERS DISTRICT	1			0.8			3	13.9	124	3.5
BLAND COUNTY									3	2.5
CARROLL COUNTY									21	3.9
GRAYSON COUNTY									8	2.7
SMYTH COUNTY							1	24.4	13	2.0
WASHINGTON COUNTY							1	55.6	29	2.9
WYTHE COUNTY									35	6.9
BRISTOL CITY									5	1.6
GALAX CITY	1			8.3			1	125.0	10	8.6
NEW RIVER DISTRICT	5	1		2.4	0.7		1	1.7	117	3.3
FLOYD COUNTY									15	6.1
GILES COUNTY	1			13.5			1	76.9	16	5.2
MONTGOMERY COUNTY	1		1	1.0	0.8				56	3.1
PULASKI COUNTY	1			2.1					17	2.5
RADFORD CITY	2			5.1					13	2.5
ALLEGHANY DISTRICT	2	1		1.3	2.6				86	2.6
ALLEGHANY COUNTY									10	4.3
BOTETOURT COUNTY									15	2.7
CRAIG COUNTY									2	2.0
ROANOKE COUNTY									30	1.7
CLIFTON FORGE CITY	1			6.6					9	14.7
COVINGTON CITY	1			4.2					4	3.8
SALEM CITY			1		15.9				16	3.1
ROANOKE CITY DISTRICT	17	1		2.5	4.0		1	4.3	83	6.0
CENTRAL SHENANDOAH	14	4		4.4	7.7		5	8.2	181	3.6
AUGUSTA COUNTY	2			5.4					41	3.3
BATH COUNTY									11	13.2
HIGHLAND COUNTY									1	2.3
ROCKBRIDGE COUNTY									9	2.5
ROCKINGHAM COUNTY	2	1		9.1	17.9		1	6.2	48	3.7
BUENA VISTA CITY									3	2.3
HARRISONBURG CITY	2	2		2.0	7.5		3	14.2	20	2.1
LEXINGTON CITY									1	.9
STAUNTON CITY	6			9.0			1	16.1	28	6.6
WAYNESBORO CITY	2	1		4.3	71.4				19	6.1
LORD FAIRFAX DISTRICT	4	2		2.3	6.2		4	9.3	183	5.2
CLARKE COUNTY									6	2.6
FREDERICK COUNTY	1	1		3.4	8.8		3	27.0	65	5.5
PAGE COUNTY									17	3.9
SHENANDOAH COUNTY			1		32.3				36	5.5
WARREN COUNTY									35	5.9
WINCHESTER CITY	3			4.9			1	15.4	24	5.7
ALEXANDRIA DISTRICT	82	4		10.1	2.0		31	7.1	155	6.8
ARLINGTON DISTRICT	20	16		3.4	3.3		41	4.4	136	3.6
FAIRFAX DISTRICT	93	2	59	4.1	2.9	2.0	48	2.0	840	4.5
FAIRFAX COUNTY	93	2	55	4.2	3.0	1.9	46	2.0	806	4.5
FAIRFAX CITY			4		7.4		2	4.5	27	6.9
FALLS CHURCH CITY									7	3.6
LOUDOUN DISTRICT	12	4		3.9	2.8		2	1.4	159	5.0
PRINCE WILLIAM DISTRICT	72	1	13	6.7	3.2	3.4	26	5.1	317	5.1
PRINCE WILLIAM COUNTY	61	1	12	6.5	3.6	3.7	16	3.7	239	4.5
MANASSAS CITY	11		1	10.1	2.3		10	15.3	69	9.4
MANASSAS PARK CITY									9	4.8
RAPPAHANNOCK/RAPIDAN	21	1		4.6	3.1		5	12.3	133	5.7
CULPEPER COUNTY	5			3.4			1	16.7	29	5.3
FAUQUIER COUNTY	7	1		4.6	7.4		3	12.3	73	7.1
MADISON COUNTY	1			2.2					10	4.9
ORANGE COUNTY	7			7.4			1	14.7	17	4.2
RAPPAHANNOCK COUNTY	1			8.5					4	3.0
THOMAS JEFFERSON	43	4		4.9	2.7		2	2.9	182	5.1
ALBEMARLE COUNTY	6	2		2.3	2.1				41	2.5
FLUVIANNA COUNTY	4	1		3.6	52.6				15	5.3
GREENE COUNTY	3			11.8					18	6.0
LOUISA COUNTY	4			2.4					28	7.8
NELSON COUNTY							1	30.3	10	4.8
CHARLOTTESVILLE CITY	26	1		10.4	2.2		1	5.7	70	9.4
CENTRAL VIRGINIA	67			6.1			1	1.8	179	4.7
AMHERST COUNTY	11			6.7					22	4.2
APPOMATTOX COUNTY	5			6.2					11	5.7
BEDFORD COUNTY	2			1.7					38	3.5
CAMPBELL COUNTY	12			5.9					30	3.4

*Rates per 1,000 Female Population 15-44

Table 8
Resident Natural Fetal Deaths by Race and Ethnicity by Health District with Rates*, Virginia, 1998

	Resident Natural Fetal Deaths			Rate per 1,000			Fetal Deaths	Rate per 1,000	Fetal deaths	Rate
	Black	AEA	API	Black	AEA	API	Hispanic (any race)		White	
CENTRAL VIRGINIA (con't)	67			6.1			1	1.8	179	4.7
BEDFORD CITY	3			8.8					7	8.8
LYNCHBURG CITY	34			6.9			1	5.1	71	6.9
PITTSYLVANIA/DANVILLE	59			6.3			1	6.9	52	3.9
PITTSYLVANIA COUNTY	13			3.2					27	3.3
DANVILLE CITY	46			8.8			1	11.9	25	4.8
WEST PIEDMONT	42			6.2			4	22.3	59	2.8
FRANKLIN COUNTY	8			5.8					18	2.2
HENRY COUNTY	13			3.7			3	51.7	24	3.0
PATRICK COUNTY	3			8.4			1	23.3	7	2.3
MARTINSVILLE CITY	18			12.0					10	6.6
SOUTHSIDE DISTRICT	42			4.7			1	9.2	44	5.5
BRUNSWICK COUNTY	12			5.0					6	5.7
HALIFAX COUNTY	21			5.8					22	5.8
MECKLENBURG COUNTY	9			3.1			1	27.8	16	5.2
PIEDMONT DISTRICT	29	1		3.6	14.3				50	4.9
AMELIA COUNTY	3			3.8					8	5.8
BUCKINGHAM COUNTY	2			1.5					9	6.6
CHARLOTTE COUNTY	3			2.7					4	3.2
CUMBERLAND COUNTY	3			4.0					5	5.8
LUNENBURG COUNTY	7			7.2					6	5.3
NOTTOWAY COUNTY	3			2.4					7	5.0
PRINCE EDWARD COUNTY	8	1		4.3	35.7				11	3.8
CHESTERFIELD DISTRICT	85	5		6.8	2.8		14	11.3	319	5.7
CHESTERFIELD COUNTY	82	2		7.1	1.2		13	11.1	287	5.8
POW/HATAN COUNTY	1			1.3			1	52.6	21	6.2
COLONIAL HEIGHTS CITY	2	3		52.6	21.4				11	3.4
HANOVER DISTRICT	15			2.7			2	9.1	88	4.2
CHARLES CITY COUNTY	2			1.8						
GOOCHLAND COUNTY	3			1.6					13	5.2
HANOVER COUNTY	8			3.8			1	5.9	70	4.4
NEW KENT COUNTY	2			3.2			1	28.6	5	2.3
HENRICO DISTRICT	83	1	6	4.8	5.3	3.2	2	2.2	223	5.3
RICHMOND CITY DISTRICT	151		3	5.1	4.1		10	16.0	144	8.1
RAPPAHANNOCK DISTRICT	38	1	1	4.4	4.1	1.0	5	3.5	201	4.5
CAROLINE COUNTY	11			5.2					10	3.8
KING GEORGE COUNTY	2			2.1			1	12.3	15	5.3
SPOTSYLVANIA COUNTY	7	1		2.7	12.2		3	6.5	73	4.2
STAFFORD COUNTY	9			5.6			1	1.5	59	3.3
FREDERICKSBURG CITY	9	1		6.5	8.9				44	10.4
THREE RIVERS DISTRICT	26			3.4			1	3.5	82	4.8
LANCASTER COUNTY									1	1.0
NORTHUMBERLAND COUNTY									3	2.8
RICHMOND COUNTY	8			15.8					24	29.1
WESTMORELAND COUNTY	2			1.4					3	1.8
ESSEX COUNTY	5			5.9			1	40.0	4	4.1
GOLOUCESTER COUNTY	5			5.0					24	3.6
KING AND QUEEN COUNTY	2			3.1					3	4.7
KING WILLIAM COUNTY	4			4.0					8	4.5
MATHEWS COUNTY									8	6.2
MIDDLESEX COUNTY									4	3.7
CRATER DISTRICT	147			8.6			5	6.9	90	6.5
DINWIDDIE COUNTY	15			6.4					14	4.8
GREENSVILLE COUNTY	2			1.6					3	4.6
PRINCE GEORGE COUNTY	24			10.7					18	4.2
SURY COUNTY	4			4.4					2	4.1
SUSSEX COUNTY	6			4.2					4	5.9
EMPORIA CITY	8			12.9					4	8.9
HOPEWELL CITY	15			9.0					24	7.8
PETERSBURG CITY	73			11.1			5	41.0	21	16.6
CHESAPEAKE DISTRICT	80	4		5.1	4.0		2	2.1	171	5.5
NORFOLK DISTRICT	182	8		7.4	3.8		3	1.6	103	4.2
PORTSMOUTH DISTRICT	104	2		8.5	7.8				48	5.0
VIRGINIA BEACH DISTRICT	103	19		5.5	2.7		5	1.0	345	4.2
WESTERN TIDEWATER	81	1	1	6.4	21.3	7.1	2	8.5	64	5.0
ISLE OF WIGHT COUNTY	15		1	6.0	26.3		1	11.1	16	4.1
SOUTHAMPTON COUNTY	11			6.7					6	3.8
FRANKLIN CITY	6			5.0					9	12.7
SUFFOLK CITY	49	1		6.6	30.3		1	7.6	33	5.1
HAMPTON DISTRICT	63	3		3.9	2.9		1	1.0	69	4.3
PENINSULA DISTRICT	115	2	4	5.1	7.2	1.4	9	3.5	186	3.9
JAMES CITY COUNTY	2	1		0.9	52.6				20	2.7
YORK COUNTY	3		1	1.2	1.7		1	2.5	23	2.3
NEWPORT NEWS CITY	106	1	3	6.1	5.2	1.6	5	2.7	120	5.0
POQUOSON CITY									4	1.6
WILLIAMSBURG CITY	4			6.9			3	34.5	19	5.8
EASTERN SHORE	19			4.6			2	12.1	22	4.9
ACCOMACK COUNTY	12			4.2			2	18.5	15	4.4
NORTHAMPTON COUNTY	7			5.4					7	6.5

*Rates per 1,000 Female Population 15-44

Table 9
Resident Induced Terminations by Race and Ethnicity by Health District with Rates*, Virginia, 1998

	Induced Terminations			Rate per 1,000			Induced Terms Hispanic (any race)	Rate per 1,000	Induced White	Rate
	Black	AEA	API	Black	AEA	API				
State of Virginia	10,175	41	1,243	29.1	8.5	18.2	1,418	21.3	14,132	12.0
LENOWISCO DISTRICT	1			3.5					8	0.4
LEE COUNTY									3	0.6
SCOTT COUNTY									3	0.7
WISE COUNTY		1		7.1					2	0.2
NORTON CITY										
CUMBERLAND PLATEAU	6			13.6					25	1.0
BUCHANAN COUNTY	2			50.0					8	1.3
DICKENSON COUNTY									2	0.6
RUSSELL COUNTY	1			16.1					5	0.8
TAZEWELL COUNTY	3			9.5					10	1.1
MOUNT ROGERS DISTRICT	3	1		2.5	6.9		2	9.3	106	3.0
BLAND COUNTY			1		500.0				5	4.1
CARROLL COUNTY		1		45.5					29	5.4
GRAYSON COUNTY							1	45.5	17	5.8
SMYTH COUNTY									6	0.9
WASHINGTON COUNTY	1			5.4					17	1.7
WYTHE COUNTY	1			3.7					22	4.3
BRISTOL CITY									3	1.0
GALAX CITY							1	125.0	7	6.0
NEW RIVER DISTRICT	47	15		23.0	10.2		8	13.7	366	10.2
FLOYD COUNTY	2			28.6					19	7.7
GILES COUNTY	1			13.5					14	4.5
MONTGOMERY COUNTY	31	13		30.2	10.3		4	10.0	228	12.4
PULASKI COUNTY	8			16.6					37	5.5
RADFORD CITY	5	2		12.9	12.5		4	40.8	68	13.2
ALLEGHANY DISTRICT	28	1		17.6	2.6		3	10.1	242	7.4
ALLEGHANY COUNTY	5			79.4					20	8.5
BOTETOURT COUNTY	2			8.2					36	6.5
CRAIG COUNTY									6	6.0
ROANOKE COUNTY	8	1		12.7	3.9		2	10.8	72	4.2
CLIFTON FORGE CITY	1			6.6					3	4.9
COVINGTON CITY	3			12.7					14	13.3
SALEM CITY	9			33.6			1	28.6	91	17.8
ROANOKE CITY DISTRICT	179	2	10	26.8	43.5	40.5	7	30.2	286	20.8
CENTRAL SHENANDOAH	49	9		15.3	17.3		10	16.4	415	8.3
AUGUSTA COUNTY	12	1		32.3	17.2		1	11.4	121	9.7
BATH COUNTY	4			76.9					8	9.6
HIGHLAND COUNTY									1	2.3
ROCKBRIDGE COUNTY	1	2		7.4	133.3				39	10.7
ROCKINGHAM COUNTY	11	1		50.2	17.9		5	31.1	128	9.8
BUENA VISTA CITY									7	5.3
HARRISONBURG CITY	9	5		8.8	18.7		3	14.2	50	5.3
LEXINGTON CITY	2			10.7					8	7.4
STAUNTON CITY	4			6.0					27	6.3
WAYNESBORO CITY	6			13.0			1	27.0	26	8.4
LORD FAIRFAX DISTRICT	15	4		8.5	12.3		8	18.5	220	6.2
CLARKE COUNTY	1			3.8					13	5.7
FREDERICK COUNTY	2	1		6.7	8.8		1	9.0	48	4.0
PAGE COUNTY	2			21.3					32	7.3
SHENANDOAH COUNTY			1		32.3		3	42.3	22	3.3
WARREN COUNTY	6			15.7			2	17.2	71	11.9
WINCHESTER CITY	4	2		6.6	18.9		2	30.8	34	8.1
ALEXANDRIA DISTRICT	693	2	165	85.4	12.2	81.8	206	47.0	696	30.6
ARLINGTON DISTRICT	180	2	96	30.7	9.4	19.6	248	26.5	516	13.8
FAIRFAX DISTRICT	436	8	527	19.2	11.4	18.1	564	24.0	2,094	11.3
FAIRFAX COUNTY	369	8	440	16.5	11.9	15.5	488	21.4	1,800	10.0
FAIRFAX CITY	59		74	180.4		136.5	59	131.4	249	63.5
FALLS CHURCH CITY	8		13	80.0		74.7	17	61.8	45	23.3
LOUDOUN DISTRICT	41	1	27	13.3	10.5	18.8	24	17.2	364	11.5
PRINCE WILLIAM DISTRICT	408		74	38.0		19.5	116	22.8	950	15.2
PRINCE WILLIAM COUNTY	353		62	37.3		18.9	86	20.0	740	13.9
MANASSAS CITY	53		12	48.5		28.1	30	45.9	193	26.4
MANASSAS PARK CITY	2			10.0					17	9.1
RAPPAHANNOCK/RAPIDAN	68	6		15.0		18.8	3	7.4	236	10.2
CULPEPER COUNTY	27		1	18.2		6.9	2	33.3	61	11.1
FAUQUIER COUNTY	23		2	15.1		14.7			95	9.2
MADISON COUNTY	2			4.4					10	4.9
ORANGE COUNTY	15		2	15.9		80.0	1	14.7	57	14.2
RAPPAHANNOCK COUNTY	1		1	8.5		142.9			13	9.8
THOMAS JEFFERSON	166	1	14	19.0	10.9	9.5	7	10.1	428	12.0
ALBEMARLE COUNTY	28	1		10.9	31.3		1	2.8	129	7.8
FLUVANNA COUNTY	13		2	11.8	105.3		1	25.0	37	13.0
GREENE COUNTY	2			7.9					41	13.6
LOUISA COUNTY	18			10.7			1	20.0	39	10.8
NELSON COUNTY	10		1	15.7	66.7				28	13.5
CHARLOTTESVILLE CITY	95		11	38.0	24.2		4	23.0	154	20.7
CENTRAL VIRGINIA	237	2	9	21.7	23.0	23.4	4	7.1	393	10.4
AMHERST COUNTY	34		1	20.6		21.7			68	13.1
APPOMATTOX COUNTY	11			13.6					17	8.8
BEDFORD COUNTY	21			17.8					79	7.3
CAMPBELL COUNTY	26		2	12.8	27.8				68	7.7

*Rates per 1,000 Female Population 15-44

Table 9
Resident Induced Terminations by Race and Ethnicity by Health District with Rates*, Virginia, 1998

	Induced Terminations			Rate per 1,000			Induced Terms Hispanic (any race)	Rate per 1,000	Induced White	Rate
	Black	AEA	API	Black	AEA	API				
CENTRAL VIRGINIA (con't)	237	2	9	21.7	23.0	23.4	4	7.1	393	10.4
BEDFORD CITY	6		1	17.6		83.3			21	26.4
LYNCHBURG CITY	139	2	5	28.3	58.8	24.2	4	20.2	140	13.6
PITTSYLVANIA/DANVILLE	170	1	1	18.3	38.5	9.7			118	8.9
PITTSYLVANIA COUNTY	116	1	1	28.4	111.1	41.7			98	12.1
DANVILLE CITY	54			10.3					20	3.8
WEST PIEDMONT	109		3	16.1		36.1	2	11.2	199	9.5
FRANKLIN COUNTY	15			10.9					67	8.2
HENRY COUNTY	79		3	22.3		107.1	1	17.2	94	11.6
PATRICK COUNTY	2			5.6					25	8.1
MARTINSVILLE CITY	13			8.6			1	76.9	13	8.6
SOUTHSIDE DISTRICT	186	1		20.8	40.0		1	9.2	83	10.5
BRUNSWICK COUNTY	55			22.8					9	8.5
HALIFAX COUNTY	70			19.4					45	11.8
MECKLENBURG COUNTY	61	1		21.0	500.0		1	27.8	29	9.4
PIEDMONT DISTRICT	146		2	18.1		28.6	2	14.9	101	9.8
AMELIA COUNTY	17		1	21.4		250.0	1	66.7	11	8.0
BUCKINGHAM COUNTY	9			6.9					14	10.3
CHARLOTTE COUNTY	17			15.0			1	125.0	13	10.5
CUMBERLAND COUNTY	18			24.3					14	16.2
LUNENBURG COUNTY	13			13.3					12	10.7
NOTTOWAY COUNTY	26		1	20.7		83.3			10	7.1
PRINCE EDWARD COUNTY	46			24.5					27	9.2
CHESTERFIELD DISTRICT	343		27	27.6		15.2	9	7.3	679	12.2
CHESTERFIELD COUNTY	301		23	25.9		14.2	9	7.7	574	11.7
POW/HATAN COUNTY	12			16.1					49	14.5
COLONIAL HEIGHTS CITY	30		4	789.5		28.6			56	17.5
HANOVER DISTRICT	119		3	21.0		15.3	2	9.1	208	10.0
CHARLES CITY COUNTY	19			17.3					8	20.6
GOOCHLAND COUNTY	25		1	13.5		62.5			17	6.8
HANOVER COUNTY	62		2	29.7		13.2	2	11.8	156	9.9
NEW KENT COUNTY	13			20.8					27	12.6
HENRICO DISTRICT	688	1	50	40.2	5.3	26.3	14	15.1	643	15.2
RICHMOND CITY DISTRICT	1,086	3	44	36.8	23.4	59.9	15	24.0	434	24.4
RAPPAHANNOCK DISTRICT	200	2	21	23.1	8.1	20.6	14	9.7	557	12.4
CAROLINE COUNTY	38	1	2	17.9	19.6	71.4			40	15.2
KING GEORGE COUNTY	16			17.0					30	10.6
SPOTSYLVANIA COUNTY	27		4	10.4		10.8	4	8.6	147	8.6
STAFFORD COUNTY	45		7	27.8		15.7	3	4.5	162	9.1
FREDERICKSBURG CITY	74	1	8	53.3	111.1	71.4	7	37.8	178	42.1
THREE RIVERS DISTRICT	114	2	1	14.9	18.9	6.0	1	3.5	182	10.7
LANCASTER COUNTY	12			15.8					12	11.9
NORTHUMBERLAND COUNTY	14			19.6					9	8.3
RICHMOND COUNTY	5			9.9					10	12.1
WESTMORELAND COUNTY	23		1	16.6		43.5			17	10.1
ESSEX COUNTY	19			22.4					16	16.5
GOLOUCESTER COUNTY	10			10.1			1	7.1	61	9.1
KING AND QUEEN COUNTY	11	1		17.0	66.7				7	11.0
KING WILLIAM COUNTY	13	1		13.0	19.2				21	11.7
MATHEWS COUNTY	2			7.2					12	9.3
MIDDLESEX COUNTY	5			9.6					17	15.7
CRATER DISTRICT	514	3	5	30.2	28.8	8.5	4	5.5	177	12.8
DINWIDDIE COUNTY	36			15.4					30	10.2
GREENSVILLE COUNTY	15			11.9					5	7.7
PRINCE GEORGE COUNTY	54	1	1	24.1	25.0	3.2			44	10.4
SURRY COUNTY	11	1		12.0	1,000.0				2	4.1
SUSSEX COUNTY	20			13.9					9	13.3
EMPORIA CITY	21			33.9					7	15.6
HOPEWELL CITY	57		2	34.1		14.6			44	14.2
PETERSBURG CITY	300	1	2	45.8	71.4	20.8	4	32.8	36	28.5
CHESAPEAKE DISTRICT	368	2	11	23.5	11.8	11.1	4	4.3	365	11.8
NORFOLK DISTRICT	1,043	2	21	42.5	7.6	9.9	27	14.0	570	23.1
PORTSMOUTH DISTRICT	314	1		25.6	13.2		5	12.4	148	15.4
VIRGINIA BEACH DISTRICT	775	2	57	41.5	4.1	8.0	53	10.3	1,274	15.7
WESTERN TIDEWATER	172		2	13.5		14.3	2	8.5	97	7.6
ISLE OF WIGHT COUNTY	32			12.7					33	8.4
SOUTHAMPTON COUNTY	15			9.2					4	2.5
FRANKLIN CITY	23			19.2			1	250.0	10	14.1
SUFFOLK CITY	102		2	13.8		22.7	1	7.6	50	7.7
HAMPTON DISTRICT	562	1	9	34.4	9.4	8.6	14	14.0	245	15.2
PENINSULA DISTRICT	663	2	26	29.4	7.2	8.9	38	14.9	654	13.8
JAMES CITY COUNTY	11			5.2					25	3.4
YORK COUNTY	25		3	10.3		5.0			88	8.7
NEWPORT NEWS CITY	574	2	20	33.0	10.4	10.9	34	18.5	439	18.3
POQUOSON CITY	1			40.0					24	9.6
WILLIAMSBURG CITY	52	3		89.2		14.7	4	46.0	78	23.8
EASTERN SHORE	42			10.1					50	11.1
ACCOMACK COUNTY	26			9.1					37	10.8
NORTHAMPTON COUNTY	16			12.3					13	12.1
UNKNOWN VIRGINIA	4		2				1		3	

*Rates per 1,000 Female Population 15-44

Table 10
Teenage Pregnancies by Race by Health District with Rates per 1,000 Female Population 10-19, Virginia, 1998

	Ages 10-14					Ages 15-17						
	Black	Rate	AEA	Rate	API	Rate	Black	Rate	AEA	Rate	API	
State of Virginia	259	4.8	1	1.5	5	0.6	2354	77.1	7	18.0	80	14.9
LENOWISCO DISTRICT												
LEE												
SCOTT												
WISE												
NORTON												
CUMBERLAND PLATEAU												
BUCHANAN												
DICKENSON												
RUSSELL												
TAZEWELL												
MOUNT ROGERS DISTRICT							5	39.4				
BLAND												
CARROLL							1	58.8				
GRAYSON												
SMYTH												
WASHINGTON												
WYTHE							4	153.8				
BRISTOL												
GALAX												
NEW RIVER DISTRICT	1	4.7					5	33.1			1	43.5
FLOYD	1	111.1										
GILES							1	166.7				
MONTGOMERY							1	19.2			1	62.5
PULASKI							2	33.3				
RADFORD							1	43.5				
ALLEGHANY DISTRICT	1	3.6					7	44.3			3	71.4
ALLEGHANY							1	100.0				
BOTETOURT							1	31.3				
CRAIG											1	
ROANOKE											1	30.3
CLIFTON FORGE							1	83.3				
COVINGTON							2	69.0				
SALEM	1	23.8					2	76.9			1	500.0
ROANOKE CITY DISTRICT	9	8.8					57	91.2			1	41.7
CENTRAL SHENANDOAH	1	2.2					17	72.6				
AUGUSTA							3	90.9				
BATH							2	181.8				
HIGHLAND												
ROCKBRIDGE												
ROCKINGHAM							2	111.1				
BUENA VISTA												
HARRISONBURG							4	108.1				
LEXINGTON												
STAUNTON							3	41.7				
WAYNESBORO							3	73.2				
LORD FAIRFAX DISTRICT	1	3.5					11	53.9	1	250.0		
CLARKE							1	25.6				
FREDERICK							4	102.6				
PAGE												
SHENANDOAH												
WARREN							2	48.8				
WINCHESTER							4	65.6				
ALEXANDRIA DISTRICT	4	4.4					34	71.0			8	79.2
ARLINGTON DISTRICT	1	2.0					15	50.0			6	23.8
FAIRFAX DISTRICT	7	2.3			2	0.5	54	31.4	1	15.6	17	7.1
FAIRFAX							2	53	31.3		17	
FAIRFAX CITY							1	50.0				
FALLS CHURCH												
LOUDOUN	1	2.1					10	32.7			3	33.0
PRINCE WILLIAM DISTRICT	5	2.8					91	100.7			1	3.8
PRINCE WILLIAM							79	98.3			1	4.3
MANASSAS							11	135.8				
MANASSAS PARK							1	52.6				
RAPPAHANNOCK/RAPIDAN	1	1.2					17	40.0			1	90.9
CULPEPER							9	73.2				
FAUQUIER							1	7.3			1	250.0
MADISON												
ORANGE							7	77.8				
RAPPAHANNOCK												
THOMAS JEFFERSON	4	3.1			1	13.2	46	63.4				
ALBEMARLE							1	20.4	10	65.4		
FLUVANNA							2		2	18.3		
GREENE							3		3	187.5		
LOUISA							6		6	30.9		
NELSON	1	9.3					2		2	26.0		
CHARLOTTESVILLE	3	8.1					23		23	129.9		
CENTRAL VIRGINIA	8	4.5					79	71.0			1	34.5
AMHERST							7		7	36.5		
APPOMATTOX							1		1	11.5		
BEDFORD	1	4.9					2		2	15.7		
CAMPBELL	1	3.2					21		21	88.6		

Table 10
Teenage Pregnancies by Race by Health District with Rates per 1,000 Female Population 10-19, Virginia, 1998

Ages 18-19				Ages 10-14		Ages 15-17		Ages 18-19		
Black	Rate	AEA	Rate	API	Rate	White	Rate	White	Rate	
3,921	154.1	13	40.1	217	55.6	144	0.9	2,675	29.9	5,847 TOTAL
3	83.3					4	1.2	59	29.2	160 LENOWISCO DISTRICT
1	250.0					3	4.3	10	20.2	26 LEE
1	45.5					1	0.6	33	37.0	84 SCOTT
1	142.9							1	13.3	143.3 WISE
4	160.0					1	0.2	68	24.2	146 CUMBERLAND PLATEAU
1								19	26.6	46 BUCHANAN
1	1000.0					1	1.4	8	19.0	26 DICKENSON
3	150.0							20	29.8	42 RUSSELL
10	80.6					3	0.5	98	28.0	205 MOUNT ROGERS DISTRICT
1								2	17.1	4 BLAND
1	272.7							9	16.4	31 CARROLL
2	142.9					1	1.0	11	31.6	17 GRAYSON
3	107.1							21	30.1	46 SMYTH
1	76.9							26	27.1	55 WASHINGTON
26	82.0			3	15.2	3	0.8	82	35.9	200 NEW RIVER DISTRICT
1	250.0							6	27.5	15 FLOYD
11	59.5			2	13.0	1	2.0	11	34.8	24 GILES
4	114.3					2	1.3	26	27.5	85 MONTGOMERY
10	111.1							30	44.7	42 PULASKI
						1	23.8	9	68.2	34 RADFORD
5	43.1	1	333.3	1	43.5	3	0.6	62	20.9	159 ALLEGHENY DISTRICT
2								9	39.5	14 ALLEGHENY
1								16	28.3	27 BOTETOURT
2	43.5			1	71.4			1	11.6	8 CRAIG
1	100.0							18	11.3	54 ROANOKE
1	50.0							2	41.7	10 CLIFTON FORGE
1	50.0					1	6.4	1	11.4	11 COVINGTON
						2	3.1	15	41.4	35 SALEM
85	169.3			1	76.9	2	1.3	70	79.4	124 ROANOKE CITY
36	67.9			1	10.3	11	1.6	144	37.4	324 CENTRAL SHENANDOAH
1						4	1.9	37	32.3	72 AUGUSTA
								3	37.5	7 BATH
1	200.0					3	5.3	11	33.6	22 HIGHLAND
9	600.0					2	0.9	43	39.4	92 ROCKBRIDGE
3	375.0							2	17.7	10 ROCKINGHAM
5	13.6			1	16.1	2	3.5	25	69.6	51 BUENA VISTA
2	62.5							3	50.0	3 HARRISONBURG
9	200.0							8	19.9	33 LEXINGTON
7	291.7							12	50.6	33 STAUNTON
										161.0 WAYNESBORO
10	75.2			2	133.3	4	0.7	100	34.6	223 LORD FAIRFAX DISTRICT
1	50.0							1	6.1	11 CLARKE
						1	0.5	31	31.2	71 FREDERICK
2	80.0			1	333.3			14	33.7	33 PAGE
7	132.1							15	28.4	39 SHERANDOAH
				1		1	1.1	27	55.8	37 WARREN
						2	4.0	12	39.7	32 WINCHESTER
86	232.4			15	192.3	5	4.4	40	56.8	84 ALEXANDRIA DISTRICT
32	117.6			11	60.1			34	25.2	106 ARLINGTON DISTRICT
120	103.4			69	49.1	12	0.5	227	16.2	477 FAIRFAX DISTRICT
114	100.6			59	42.9	12	0.5	200	14.6	433 FAIRFAX
6	272.7			8	333.3			19	83.7	31 FAIRFAX CITY
				2	333.3			8	61.1	13 FALLS CHURCH
15	88.8			1	20.4	1	0.2	54	23.4	69 LOUDOUN
126	229.5	1	58.8	20	124.2	12	1.3	177	34.2	347 PRINCE WILLIAM DISTRICT
113	230.1			18	135.3	10	1.2	140	30.8	275 PRINCE WILLIAM
12	300.0			2	83.3	1	1.0	30	62.5	63 MANASSAS
1	55.6					1	3.4	7	47.0	9 MANASSAS PARK
40	138.4			1	250.0			67	34.3	126 RAPPAHANNOCK/RAPIDAN
16	183.9							22	46.6	47 CULPEPER
15	135.1			1	500.0			26	30.3	38 FAQUIER
1	43.5							2	12.0	8 MADISON
7	112.9							13	37.1	27 ORANGE
1	166.7							4	36.4	6 RAPPAHANNOCK
78	95.4	1	125.0	2	8.5	4	1.0	91	40.2	180 THOMAS JEFFERSON
19	51.2							22	20.3	55 ALBEMARLE
6	63.2							13	55.8	12 FLUVANNA
4	363.6							12	54.1	17 GREENE
15	136.4					1	1.8	19	61.7	31 LOUISA
7	162.8			1				9	48.9	23 NELSON
27	143.6			1	20.0	3	6.1	16	68.1	42 CHARLOTTESVILLE
121	149.9					6	1.2	100	32.0	189 CENTRAL VIRGINIA
20	147.1					1	1.4	17	38.1	27 AMHERST
5	78.1									16 APPOMATTOX
8	103.9					3	1.9	32	34.8	34 BEDFORD
21	151.1							26	32.7	53 CAMPBELL

Table 10
Teenage Pregnancies by Race by Health District with Rates per 1,000 Female Population 10-19, Virginia, 1998

	Ages 10-14				Ages 15-17							
	Black	Rate	AEA	Rate	API	Rate	Black	Rate	AEA	Rate	API	Rate
CENTRAL VIRGINIA (con't)	8	4.5					79	71.0			1	34.5
BEDFORD CITY							3	115.4				
LYNCHBURG	6	7.6					45	101.4				
PITTSYLVANIA/DANVILLE	7	4.6					77	81.9				
PITTSYLVANIA	3	4.1					25	53.4				
DANVILLE	4	5.0					52	110.2				
WEST PIEDMONT	1	0.9					39	56.3			1	200.0
FRANKLIN							10	63.3			1	500.0
HENRY	1	1.8					12	35.9				
PATRICK							17	114.9				
MARTINSVILLE												
SOUTHSIDE DISTRICT	8	4.9					59	60.1				
BRUNSWICK	2	4.8					15	69.4				
HALIFAX	5	7.5					26	60.9				
MECKLENBURG	1	1.8					18	53.1				
PIEDMONT DISTRICT	5	3.6					54	59.6				
AMELIA							7	89.7				
BUCKINGHAM	1	5.2					6	42.6				
CHARLOTTE							5	31.8				
CUMBERLAND	1	7.6					3	35.3				
LUNENBURG							4	37.0				
NOTTOWAY	1	4.0					11	80.3				
PRINCE EDWARD	2	6.8					18	90.0				
CHESTERFIELD DISTRICT	8	4.5			1	3.0	58	45.6	2	200.0	4	22.9
CHESTERFIELD	8	4.8				1	3.2	54	45.2		3	19.1
POW/HATAN							4	4000.0			1	62.5
COLONIAL HEIGHTS												
HANOVER DISTRICT	2	2.6					21	43.5	1	83.3		
CHARLES CITY							5	42.7				
GOOCHLAND							2	16.5				
HANOVER	2	6.2					12	66.7				
NEW KENT							2	30.8				
HENRICO DISTRICT	13	5.8	1	30.3			111	88.3			8	55.9
RICHMOND CITY DISTRICT	26	6.6					270	114.3			1	33.3
RAPPAHANNOCK DISTRICT	3	2.1					41	50.9	1	37.0	1	11.5
CAROLINE							8	36.0				
KING GEORGE							4	55.6				
SPOTSYLVANIA							10	37.9				
STAFFORD	1	3.6					8	52.6			1	26.3
FREDERICKSBURG	2	10.0					11	115.8				
THREE RIVERS DISTRICT	8	5.6					50	66.1			1	142.9
LANCASTER	2	12.8					7	85.4				
NORTHUMBERLAND	2	13.2					7	81.4				
RICHMOND							1	20.8				
WESTMORELAND	1	3.9					11	75.3				
ESSEX							7	107.7			1	
GOULCESTER	1	6.1					5	54.3				
KING AND QUEEN	1	6.8					8	86.0				
KING WILLIAM	1	5.8					1	52.6				
MATHEWS							3	52.6				
MIDDLESEX												
CRATER DISTRICT	20	7.5					118	81.5			2	33.9
DINWIDDIE	2	5.5					9	41.5				
GREENSVILLE	1	5.2					5	37.3				
PRINCE GEORGE	1	2.8					5	31.8			1	27.8
SURRY							4	40.8				
SUSSEX	2	9.0					4	28.6				
EMPORIA	1	10.0					9	138.5				
HOPEWELL	1	3.5					18	127.7			1	83.3
PETERSBURG	12	12.6					64	129.0				
CHESAPEAKE DISTRICT	12	4.4					98	62.9	1	83.3	3	29.7
NORFOLK DISTRICT	39	10.6					265	140.7			5	37.6
PORTSMOUTH DISTRICT	13	5.6					137	111.9			2	95.2
VIRGINIA BEACH DISTRICT	13	4.5			1	0.8	142	94.4			9	12.2
WESTERN TIDEWATER	11	4.8					74	57.3				
ISLE OF WIGHT	1	2.4					8	34.6				
SOUTHAMPTON	1	3.6					13	82.3				
FRANKLIN CITY							8	77.7				
SUFFOLK	9	6.5					45	56.3				
HAMPTON DISTRICT	8	3.7					97	81.0			1	12.5
PENINSULA DISTRICT	14	3.9					174	89.2				
JAMES CITY CO							16	80.8				
YORK							4	15.7				
NEWPORT NEWS	14	5.3					145	98.8				
POQUOSON							9	333.3				
WILLIAMSBURG												
EASTERN SHORE	4	4.8					21	46.5				
ACCOMACK	2	3.5					17	56.5				
NORTHAMPTON	2	7.4					4	26.5				

Table 10
Teenage Pregnancies by Race by Health District with Rates per 1,000 Female Population 10-19, Virginia, 1998

Ages 18-19				Ages 10-14		Ages 15-17		Ages 18-19				
Black	Rate	AEA	Rate	API	Rate	White	Rate	White	Rate			
121	149.9					6	1.2	100	32.0	189	53.8 CENTRAL VIRGINIA (con't)	
2	166.7							6	84.5	10	192.3 BEDFORD CITY	
65	171.5					2	1.7	19	27.6	49	29.4 LYNCHBURG	
108	167.4					2	1.0	40	36.4	92	111.9 PITTSYLVANIA/DANVILLE	
43	151.9					2	1.6	27	39.7	64	148.1 PITTSYLVANIA	
65	179.6							13	31.1	28	71.8 DANVILLE	
69	133.2			1	83.3	3	1.0	57	31.5	144	101.4 WEST PIEDMONT	
9	67.2					1	0.8	13	19.4	46	69.9 FRANKLIN	
36	141.2					1	250.0	2	1.7	28	40.2 HENRY	
1	31.3							9	28.5	24	132.6 PATRICK	
23	237.1							7	54.3	10	129.9 MARTINSVILLE	
105	141.5					4	3.0	24	32.7	53	114.2 SOUTHSIDE DISTRICT	
31	98.7							5	48.1	11	154.9 BRUNSWICK	
33	138.7					2	3.2	10	27.9	20	87.3 HALIFAX	
41	215.8					2	4.0	9	33.1	22	134.1 MECKLENBURG	
85	139.6							35	38.6	71	57.4 PIEDMONT DISTRICT	
7	120.7							3	20.7	11	123.6 AMELIA	
7	72.2							7	56.5	6	73.2 BUCKINGHAM	
9	89.1							9	75.0	11	126.4 CHARLOTTE	
10	222.2							4	40.0	10	188.7 CUMBERLAND	
10	185.2							6	50.8	14	202.9 LUNENBURG	
15	192.3							2	14.7	8	94.1 NOTTOWAY	
27	153.4							4	24.4	11	14.2 PRINCE EDWARD	
99	80.0	1	58.8	8	106.7	13	1.4	132	26.9	261	94.8 CHESTERFIELD DISTRICT	
90	76.2					6	88.2	11	1.4	116	27.0	
6	113.2							6	19.8	232	97.8 CHESTERFIELD	
3	1000.0					2	500.0	2	3.9	10	33.0	
37	116.0			2	12.5	1	0.3	25	15.5	71	53.1 HANOVER DISTRICT	
8	135.6							1	47.6	2	111.1 CHARLES CITY	
6	62.5					1		2	14.5	10	94.3 GOOCHLAND	
21	154.4					1	58.8	1	0.4	20	15.8	
2	71.4							2	10.8	45	40.5 HANOVER	
										14	137.3 NEW KENT	
164	175.8	2	153.8	6	42.0	6	1.2	63	22.1	161	84.0 HENRICO DISTRICT	
440	204.7			15	197.4	2	2.4	23	41.4	82	51.3 RICHMOND CITY DISTRICT	
85	135.1				4	80.0	5	0.7	119	31.5	270	94.7 RAPPAHANNOCK DISTRICT
9	57.7							2	4.8	4	17.8	
11	154.9								6	24.5	23	145.6 CAROLINE
14	83.8					1	55.6	2	0.7	41	26.8	
29	295.9					1	58.8	1	0.3	50	30.8	
22	160.6					2	200.0			18	119.2	
56	116.7							2	0.7	48	32.2	
										112	124.3 THREE RIVERS DISTRICT	
10	178.6								3	31.3	7	129.6 LANCASTER
8	200.0									3	50.8 NORTHUMBERLAND	
5	192.3								1	14.3	7	189.2 RICHMOND
14	138.6								8	66.1	16	192.8 WESTMORELAND
6	103.4								4	42.6	5	104.2 ESSEX
4	64.5					1	0.9	19	31.1	41	115.5 GLOUCESTER	
3	88.2							3	65.2	4	108.1 KING AND QUEEN	
4	74.1							6	38.2	12	131.9 KING WILLIAM	
1	83.3					1	5.1	3	23.3	7	76.1 MATHEWS	
1	27.0							1	11.1	10	222.2 MIDDLESEX	
213	178.2					3	1.5	39	34.9	108	127.4 CRATER DISTRICT	
15	113.6							8	31.9	17	109.7 DINWIDDIE	
8	87.0							2	28.2	4	100.0 GREENSVILLE	
17	81.0							10	29.9	22	77.2 PRINCE GEORGE	
9	130.4							2	57.1	2	80.0 SURRY	
10	94.3							3	52.6	7	205.9 SUSSEX	
12	255.3									7	280.0 EMPIORIA	
27	259.6					2	4.4	11	43.8	28	134.6 HOPEWELL	
115	264.4					1	10.3	3	39.5	21	276.3 PETERSBURG	
139	158.7	1	166.7	1	18.5	4	0.8	98	38.7	160	103.4 CHESAPEAKE DISTRICT	
447	184.0	3	103.4	10	78.7	12	4.8	75	65.0	216	111.5 NORFOLK DISTRICT	
188	235.3			2	133.3			28	41.8	64	111.5 PORTSMOUTH DISTRICT	
225	209.5	2	76.9	27	72.0	12	1.0	183	31.8	417	97.0 VIRGINIA BEACH DISTRICT	
128	153.5					1	0.5	36	34.1	71	110.1 WESTERN TIDEWATER	
17	106.9							11	36.2	21	111.7 ISLE OF WIGHT	
14	130.8							2	14.3	8	95.2 SOUTHAMPTON	
12	160.0							2	29.9	6	176.5 FRANKLIN CITY	
85	172.4					1	1.0	21	38.6	36	106.2 SUFFOLK	
202	100.9			2	48.8	1	0.5	46	39.9	111	131.5 HAMPTON DISTRICT	
289	192.7	1	55.6	12	63.8	2	0.3	113	30.3	231	69.2 PENINSULA DISTRICT	
8	65.6							9	15.3	12	32.6 JAMES CITY CO	
10	74.6					1	41.7	18	16.9	35	68.1 YORK	
256	229.8					11	129.4	2	0.7	77	45.3	
2	2000.0							2	6.6	4	26.3 POQUOSON	
13	100.8							7	94.6	16	15.8 WILLIAMSBURG	
45	174.4							18	44.7	33	142.9 EASTERN SHORE	
29	151.8							15	49.3	26	154.8 ACCOMACK	
16	238.8							3	30.3	7	111.1 NORTHAMPTON	

In some areas, meaningful rates cannot be calculated
due to estimates based on 1990 Population.

Table 11
Teenage Pregnancies by Ethnicity and Age by Health District with Rates per 1,000 Female Population 10-19, Virginia, 1998

	Ages 10-14				Ages 15-17				Ages 18-19				
	HISP	Rate	NHISP	Rate	HISP	Rate	NHISP	Rate	HISP	Rate	NHISP	Rate	
State of Virginia	18	1.9	397	1.9	243	44.9	4916	41.6	592	132.5	9496	95.0	
LENOWISCO DISTRICT			4	1.2			59	29.5			163	129.0	
LEE							15	28.1			45	136.8	
SCOTT				3	4.3		10	20.4			27	100.0	
WISE				1	0.6		33	37.2			85	143.1	
NORTON							1	11.0			6	84.5	
CUMBERLAND PLATEAU			1	0.2			68	24.0			150	88.3	
BUCHANAN							19	26.5			46	107.2	
DICKENSON					1	1.4	8	19.0			26	109.7	
RUSSELL							20	30.7			43	112.9	
TAZEWELL							21	20.1			35	53.8	
MOUNT ROGERS DISTRICT			3	0.5	3	83.3	100	28.4	10	555.6	206	80.2	
BLAND							2	16.8			4	44.9	
CARROLL						1	166.7	8	15.1	2	30	93.8	
GRAYSON						2	400.0	10	27.2		20	105.3	
SMYTH			1	1.0			21	30.2	1	111.1	45	94.9	
WASHINGTON							26	27.4			57	77.9	
WYTHE							15	30.7	2		22	61.3	
BRISTOL						2	3.9	9	33.6		20	62.5	
GALAX								9	84.1	5		8	95.2
NEW RIVER DISTRICT			4	1.0			88	36.3	4	31.7	225	25.9	
FLOYD				1	2.3		6	27.6	1	500.0	15	105.6	
GILES				1	2.0		12	38.2			24	125.7	
MONTGOMERY				2	1.2		28	27.4	1	11.1	97	29.4	
PULASKI							32	44.2			46	93.5	
RADFORD							10	69.4	2	60.6	43	9.4	
ALLEGHANY DISTRICT			4	0.8			72	23.3	1		165	66.3	
ALLEGHANY							10	43.7			14	84.8	
BOTETOURT							17	28.9			27	81.6	
CRAIG							2	24.1			9	157.9	
ROANOKE							19	11.6			57	46.0	
CLIFTON FORGE							3	51.7			11	211.5	
COVINGTON			1	5.0			3	25.6	1		11	123.6	
SALEM			3	4.4			18	47.9			36	65.0	
ROANOKE CITY DISTRICT			11	4.3			128	85.2	1	47.6	209	170.6	
CENTRAL SHENANDOAH			12	1.7	7	145.8	154	38.8	15	142.9	348	62.8	
AUGUSTA				4	1.9		40	34.7	1	62.5	71	98.3	
BATH							5	58.1			7	134.6	
HIGHLAND											1	47.6	
ROCKBRIDGE				3	5.1		11	34.1			23	109.5	
ROCKINGHAM			2	0.9	2	181.8	43	40.1	4	200.0	97	110.0	
BUENA VISTA				3	4.7	4	363.6	25	64.8	7	120.7	51	20.6
HARRISONBURG						1	76.9	10	21.6	1	142.9	42	83.0
LEXINGTON							15	51.7	2	2000.0	38	161.7	
STAUNTON													
WAYNESBORO													
LORD FAIRFAX DISTRICT			5	0.9	2	47.6	110	36.9	8	533.3	228	104.7	
CLARKE							2	10.0	1		10	69.9	
FREDERICK				1	0.5	1	250.0	34	33.8		72	109.6	
PAGE				1	1.4		1	250.0	14	33.9		33	123.6
SHENANDOAH									3	1000.0	37	96.9	
WARREN				1	1.1		30	60.6	1	166.7	40	113.3	
WINCHESTER				2	3.3		16	46.9	3	3000.0	36	96.0	
ALEXANDRIA DISTRICT	1	2.4	8	4.5	18	66.9	69	68.7	50	211.0	151	190.2	
ARLINGTON DISTRICT			1	0.4	30	49.8	34	28.2	89	163.3	85	80.6	
FAIRFAX DISTRICT	6	1.8	15	0.5	82	40.8	219	13.8	190	131.7	483	50.6	
FAIRFAX			6	1.9	15	0.6	75	38.6	198	12.7	179	127.8	
FAIRFAX CITY							5	208.3	15	57.5	10	322.6	
FALLS CHURCH							2	47.6	6	55.0	1	90.9	
LOUDOUN					2	0.4	4	32.3	63	26.5	9	136.4	
PRINCE WILLIAM DISTRICT	6	6.7	11	1.0	36	75.2	234	40.8	57	174.3	438	124.0	
PRINCE WILLIAM			5	6.5	10	1.1	30	69.0	191	38.0	45	175.8	
MANASSAS			1	10.3			6	157.9	35	64.7	11	200.0	
MANASSAS PARK					1	3.2		8	49.4	1	62.5	9	88.2
RAPPAHANNOCK/RAPIDAN						1	0.2		85	37.0	3	120.0	
CULPEPER									31	53.5	1	333.3	
FAUQUIER									28	29.4	2	111.1	
MADISON									2	9.0		9	67.7
ORANGE					1	1.2			20	46.8		34	119.7
RAPPAHANNOCK									4	33.9		7	102.9
THOMAS JEFFERSON			9	1.7	3	69.8	134	45.7	10	166.7	252	66.4	
ALBEMARLE					1	0.5	1	45.5	31	25.0	4	137.9	
FLUVANNA							1	333.3	14	42.9		18	81.1
GREENE									14	62.8		21	156.7
LOUISA					1	1.2			25	53.0		46	164.9
NELSON					1	2.3			11	42.3	2	500.0	
CHARLOTTESVILLE					6	6.9			39	94.7	4	190.5	
CENTRAL VIRGINIA			14	2.0			180	43.2	5	40.0	306	72.7	
AMHERST						1	1.1		24	38.2		47	79.9
APPOMATTOX									1	3.5	1	20	103.1
BEDFORD					4	2.2			35	34.6	1	166.7	
CAMPBELL					1	0.6			47	46.2	1	166.7	
											74	104.1	

In some areas, meaningful rates cannot be calculated due to estimates based on 1990 Population.

Table 11
Teenage Pregnancies by Ethnicity and Age by Health District with Rates per 1,000 Female Population 10-19, Virginia, 1998

	Ages 10-14				Ages 15-17				Ages 18-19			
	HISP	Rate	NHISP	Rate	HISP	Rate	NHISP	Rate	HISP	Rate	NHISP	Rate
CENTRAL VIRGINIA (con't)		14	2.0			180	43.2	5	40.0	306	72.7	
BEDFORD CITY						9	103.4			12	200.0	
LYNCHBURG		8	4.1			64	56.1	2	40.8	112	55.2	
PITTSYLVANIA/DANVILLE		9	2.6	1	166.7	116	57.0	4	200.0	196	135.1	
PITTSYLVANIA		5	2.6	1	500.0	51	44.8	2	285.7	105	148.9	
DANVILLE		4	2.7			65	72.5	2	153.8	91	122.0	
WEST PIEDMONT	1	25.0	3	0.7	2	117.6	95	38.0	5	294.1	209	107.8
FRANKLIN	1	76.9			1	166.7	23	27.8			55	69.2
HENRY			3	1.7	1	250.0	39	37.6	3	600.0	98	128.3
PATRICK							9	25.4	2	400.0	23	113.3
MARTINSVILLE							24	84.5			33	186.4
SOUTHSIDE DISTRICT		12	4.1			83	48.6	2		156	130.0	
BRUNSWICK		2	3.4			20	62.7			42	109.4	
HALIFAX		7	5.4			36	46.1	2	666.7	51	109.7	
MECKLENBURG		3	2.9			27	44.4			63	179.5	
PIEDMONT DISTRICT		6	2.1			90	50.2	2	76.9	154	85.0	
AMELIA						10	45.9			18	127.7	
BUCKINGHAM			1	2.5		13	49.4			13	74.3	
CHARLOTTE						14	50.9			20	107.5	
CUMBERLAND		1	3.7			7	38.7			20	215.1	
LUNENBURG		1	2.7			10	43.7	1	200.0	23	190.1	
NOTTOWAY		1	2.0			13	48.5	1	250.0	22	138.4	
PRINCE EDWARD		2	3.7			23	64.1			38	40.6	
CHESTERFIELD DISTRICT		22	2.0	8	63.0	191	31.4	9	152.5	365	92.8	
CHESTERFIELD		20	2.1	7	58.3	171	31.7	9	166.7	325	92.8	
POWHATAN						6	16.2			14	66.7	
COLONIAL HEIGHTS		2	3.8	1	200.0	14	45.8			26	118.7	
HANOVER DISTRICT		3	0.8	1	52.6	46	20.9			110	62.3	
CHARLES CITY						6	41.7			10	114.9	
GOOCHLAND						4	15.3			17	84.6	
HANOVER			3	1.2	1	100.0	32	22.9		67	55.9	
NEW KENT						4	10.1			16	57.3	
HENRICO DISTRICT	2	14.0	18	2.5	2	29.9	180	45.6	7	129.6	327	119.3
RICHMOND CITY DISTRICT		28	5.9	4	87.0	291	100.5	11	186.4	529	141.8	
RAPPAHANNOCK DISTRICT	1	3.6	7	0.8	4	30.3	158	35.7	9	97.8	352	104.4
CAROLINE		2	2.6			13	29.5			32	103.2	
KING GEORGE						10	31.1			31	157.4	
SPOTSYLVANIA	1	10.1	1	0.3	2	42.6	49	28.6	5	294.1	86	87.3
STAFFORD		2	0.6		2	35.1	57	33.4	3	75.0	125	124.3
FREDERICKSBURG		2	4.0			29	121.8	1	37.0	78	89.3	
THREE RIVERS DISTRICT		10	2.3			99	45.2	6	260.9	163	121.6	
LANCASTER		2	6.2			10	56.8			17	154.5	
NORTHUMBERLAND		2	6.3			7	44.3			11	115.8	
RICHMOND						2	17.4			12	193.5	
WESTMORELAND		1	1.9			19	72.2	5		26	143.6	
ESSEX						12	76.4			11	104.8	
GLOUCESTER		2	1.5			24	35.8	1	66.7	44	112.0	
KING AND QUEEN		1	4.1			3	25.9			7	95.9	
KING WILLIAM		1	2.0			14	56.0			16	115.9	
MATHEWS		1	3.9			4	28.2			8	78.4	
MIDDLESEX						4	28.0			11	134.1	
CRATER DISTRICT		23	5.0	3	54.5	157	61.2	6	83.3	317	158.7	
DINWIDDIE		2	2.5			17	36.8	1		32	112.3	
GREENSVILLE		1	3.4			7	32.9			12	88.2	
PRINCE GEORGE		1	1.0		1	16	32.2	1	26.3	38	80.3	
SURRY						5	38.2			11	118.3	
SUSSEX		2	6.4			7	35.2			17	118.9	
EMPORIA		1	6.5			9	83.3			19	275.4	
HOPEWELL		3	4.1	2	166.7	29	74.0	1	83.3	55	182.1	
PETERSBURG		13	12.5			67	118.8	3	214.3	133	267.6	
CHESAPEAKE DISTRICT		17	2.2	3		197	49.0	1	23.3	301	125.8	
NORFOLK DISTRICT		52	8.4	8	98.8	339	107.3	16	87.4	666	150.2	
PORTSMOUTH DISTRICT		13	3.8	1	25.6	167	88.9	3	81.1	252	186.8	
VIRGINIA BEACH DISTRICT	1	1.2	28	1.9	9	20.6	334	43.9	36	105.6	644	118.3
WESTERN TIDEWATER		12	2.8			110	48.1			199	137.9	
ISLE OF WIGHT		1	1.0			19	37.2			38	113.1	
SOUTHAMPTON		1	1.8			15	50.2			22	115.2	
FRANKLIN CITY						10	58.8			18	166.7	
SUFFOLK		10	4.1			66	50.4			121	149.8	
HAMPTON DISTRICT		9	2.1	3	46.2	142	59.2	3	39.5	313	110.4	
PENINSULA DISTRICT		16	1.6	7	29.4	286	51.3	18	116.9	517	107.3	
JAMES CITY CO						25	32.0			20	41.8	
YORK						22	17.2	1	250.0	45	68.5	
NEWPORT NEWS		16	2.8	7	46.1	221	71.1	16	158.4	418	176.3	
POQUOSON						2	6.7			6	39.7	
WILLIAMSBURG						16	160.0	1	30.3	28	24.1	
EASTERN SHORE		4	2.7	2	117.6	38	45.3	2	222.2	76	158.7	
ACCOMACK		2	1.9	2	200.0	30	50.5	2	250.0	53	151.4	
NORTHAMPTON		2	4.5			8	32.8			23	178.3	

Table 12
Resident Infant Deaths by Race and Ethnicity by Health District, Virginia, 1998

	Infant Deaths			Rate per 1,000 Live Births			Infant Deaths Hispanic (any race)	Rate	Infant Deaths	Rate
	Black	AEA	API	Black	AEA	API				
State of Virginia	317		7	14.5		1.4	29	5.1	369	5.5
LENOWISCO DISTRICT									13	12.0
LEE COUNTY									5	19.9
SCOTT COUNTY									3	12.4
WISE COUNTY									4	7.3
NORTON CITY									1	25.0
CUMBERLAND PLATEAU									3	2.5
BUCHANAN COUNTY									1	3.6
DICKENSON COUNTY									2	11.4
RUSSELL COUNTY										
TAZEWELL COUNTY										
MOUNT ROGERS DISTRICT	1			18.9					8	4.3
BLAND COUNTY										
CARROLL COUNTY										
GRAYSON COUNTY		1		200.0					1	6.8
SMYTH COUNTY									3	8.6
WASHINGTON COUNTY									1	1.9
WYTHE COUNTY									2	7.5
BRISTOL CITY									1	6.0
GALAX CITY										
NEW RIVER DISTRICT									12	7.7
FLOYD COUNTY									1	7.0
GILES COUNTY									2	9.7
MONTGOMERY COUNTY									4	5.6
PULASKI COUNTY									4	10.0
RADFORD CITY									1	9.9
ALLEGHANY DISTRICT	2	1	30.3	37.0					6	3.6
ALLEGHANY COUNTY										
BOTETOURT COUNTY									3	10.0
CRAIG COUNTY										
ROANOKE COUNTY		1		52.6					2	2.5
CLIFTON FORGE CITY										
COVINGTON CITY										
SALEM CITY	2		153.8						1	4.0
ROANOKE CITY DISTRICT	7		17.9						4	4.3
CENTRAL SHENANDOAH	1		8.0				2	13.4	15	5.6
AUGUSTA COUNTY									3	4.4
BATH COUNTY										
HIGHLAND COUNTY										
ROCKBRIDGE COUNTY									1	5.2
ROCKINGHAM COUNTY									5	6.6
BUENA VISTA CITY										
HARRISONBURG CITY							1	14.7	2	5.5
LEXINGTON CITY	1		200.0							
STAUNTON CITY									2	8.6
WAYNESBORO CITY							1	66.7	2	7.6
LORD FAIRFAX DISTRICT	1	1	10.5	33.3			1	14.3	14	6.7
CLARKE COUNTY									1	9.4
FREDERICK COUNTY		1		90.9					3	4.2
PAGE COUNTY										
SHENANDOAH COUNTY							1	41.7	4	10.6
WARREN COUNTY	1		71.4						3	8.0
WINCHESTER CITY									3	11.4
ALEXANDRIA DISTRICT	8		11.7						4	3.7
ARLINGTON DISTRICT	3	1	9.7	1.9			1	1.4	8	4.4
FAIRFAX DISTRICT	10	2	7.3	0.9			14	6.6	51	4.9
FAIRFAX COUNTY	9	2	6.7	1.0			14	6.9	50	4.9
FAIRFAX CITY	1		71.4						1	4.5
FALLS CHURCH CITY										
LOUDOUN DISTRICT							1	6.2	9	3.7
PRINCE WILLIAM DISTRICT	9		9.0				1	1.6	21	5.0
PRINCE WILLIAM COUNTY	7		7.9						19	5.4
MANASSAS CITY	2		22.5						1	1.9
MANASSAS PARK CITY							1	43.5	1	6.5
RAPPAHANNOCK/RAPIDAN	6		29.1						7	5.0
CULPEPER COUNTY										
FAUQUIER COUNTY	2		38.5						3	5.2
MADISON COUNTY	1		55.6							
ORANGE COUNTY	3		53.6						1	4.0
RAPPAHANNOCK COUNTY									3	34.5
THOMAS JEFFERSON	3		7.8						7	3.8
ALBEMARLE COUNTY	1		10.1						1	1.2
FLUVIANNA COUNTY										
GREENE COUNTY										
LOUISA COUNTY									3	13.0
NELSON COUNTY										
CHARLOTTESVILLE CITY	2		14.3						3	9.6
CENTRAL VIRGINIA	6		10.2				1	58.8	15	7.4
AMHERST COUNTY									2	7.4
APPOMATTOX COUNTY									3	26.1
BEDFORD COUNTY									7	11.9
CAMPBELL COUNTY	2		15.2				1	250.0	3	5.7

Table 12
Resident Infant Deaths by Race and Ethnicity by Health District, Virginia, 1998

	Infant Deaths			Rate per 1,000 Live Births			Infant Deaths Hispanic (any race)	Rate	Infant Deaths White	Rate
	Black	AEA	API	Black	AEA	API				
CENTRAL VIRGINIA (con't)	6			10.2			1	58.8	15	7.4
BEDFORD CITY										
LYNCHBURG CITY	4			200.0						
PITTSYLVANIA/DANVILLE	6			10.6					1	1.3
PITTSYLVANIA COUNTY	3			20.1					1	1.9
DANVILLE CITY	3			7.2						
WEST PIEDMONT	7			23.4					8	7.1
FRANKLIN COUNTY										
HENRY COUNTY	5			39.4					5	11.6
PATRICK COUNTY									2	11.2
MARTINSVILLE CITY	2			18.3					1	9.7
SOUTHSIDE DISTRICT	7			14.5					5	9.9
BRUNSWICK COUNTY	1			9.7					3	39.5
HALIFAX COUNTY	2			10.1						
MECKLENBURG COUNTY	4			22.2					2	10.5
PIEDMONT DISTRICT	6			14.8					2	3.2
AMELIA COUNTY									1	10.1
BUCKINGHAM COUNTY	1			17.5						
CHARLOTTE COUNTY										
CUMBERLAND COUNTY										
LUNENBURG COUNTY										
NOTTOWAY COUNTY	1			13.9						
PRINCE EDWARD COUNTY	4			38.5					1	9.9
CHESTERFIELD DISTRICT	12			16.3					9	3.0
CHESTERFIELD COUNTY	12			17.8					9	3.5
POW/HATAN COUNTY										
COLONIAL HEIGHTS CITY										
HANOVER DISTRICT	3			15.2					7	5.9
CHARLES CITY COUNTY										
GOOCHLAND COUNTY	1			34.5						
HANOVER COUNTY	2			20.2					7	7.9
NEW KENT COUNTY										
HENRICO DISTRICT	15			14.3					12	5.2
RICHMOND CITY DISTRICT	32			16.8					3	3.5
RAPPAHANNOCK DISTRICT	7			13.8			1	12.7	18	6.5
CAROLINE COUNTY	1			10.2					4	20.1
KING GEORGE COUNTY	2			48.8					3	2.9
SPOTSYLVANIA COUNTY									8	7.2
STAFFORD COUNTY	2			13.8					3	14.1
FREDERICKSBURG CITY	2			23.8			1	71.4		
THREE RIVERS DISTRICT	3			8.2					9	9.3
LANCASTER COUNTY										
NORTHUMBERLAND COUNTY	3			78.9					3	63.8
RICHMOND COUNTY										
WESTMORELAND COUNTY										
ESSEX COUNTY									1	14.9
GOLOUCESTER COUNTY									2	5.8
KING AND QUEEN COUNTY										
KING WILLIAM COUNTY									1	8.4
MATHEWS COUNTY									1	15.9
MIDDLESEX COUNTY									1	20.8
CRATER DISTRICT	11			11.2					6	7.0
DINWIDDIE COUNTY									1	5.7
GREENSVILLE COUNTY										
PRINCE GEORGE COUNTY	1			10.2						
SURRY COUNTY										
SUSSEX COUNTY									1	20.0
EMPORIA CITY	1			19.2						
HOPEWELL CITY	3			18.9					1	5.0
PETERSBURG CITY	6			13.1					3	27.3
CHESAPEAKE DISTRICT	13			15.3					17	9.0
NORFOLK DISTRICT	37	1		17.3	6.6		2	13.2	11	6.4
PORTSMOUTH DISTRICT	21			22.2					3	4.5
VIRGINIA BEACH DISTRICT	26	1		18.5	2.7		5	15.3	30	6.6
WESTERN TIDEWATER	8			11.5					3	3.7
ISLE OF WIGHT COUNTY									1	4.0
SOUTHAMPTON COUNTY	2			25.0						
FRANKLIN CITY	1			18.2						
SUFFOLK CITY	5			11.0					2	4.8
HAMPTON DISTRICT	14			15.1					3	2.9
PENINSULA DISTRICT	31			19.3					25	9.6
JAMES CITY COUNTY	1			11.4					1	3.1
YORK COUNTY	1			12.8					6	13.5
NEWPORT NEWS CITY	29			20.7					15	9.3
POQUOSON CITY									1	10.3
WILLIAMSBURG CITY									2	19.2
EASTERN SHORE	1			4.1						
ACCOMACK COUNTY	1			6.0						
NORTHAMPTON COUNTY										

Table 13
Resident Deaths for Black Race by Health Dist: 13 Leading Causes with Rates per 100,000 Population, Virginia, 1998

	All Deaths		HEART DISEASE		MALIGNANT NEOPLASMS		CEREBROVASCULAR		UNINTENTIONAL INJ		DIABETES MELLITUS		PNEUMONIA & INFLUENZA	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
State of Virginia	11,229	824.1	3,134	230.0	2,588	189.9	815	59.8	482	35.4	404	29.6	308	22.6
LENOWISCO DISTRICT	17	1,134.1	6	400.3	1	66.7	2	133.4	3	200.1	1	66.7		
LEE	1	561.8							1	561.8				
SCOTT	2	1,111.1	1	555.6							1	555.6		
WISE	14	1,674.6	5	598.1	1	119.6	2	239.2	2	239.2				
NORTON														
CUMBERLAND PLATEAU	15	548.4	6	219.4	1	36.6	1	36.6	2	73.1			2	73.1
BUCHANAN														
DICKENSON	2	1,739.1	1	869.6									1	266.0
RUSSELL	5	1,329.8	3	797.9					1	266.0			1	65.7
TAZEWELL	8	526.0	2	131.5	1	65.7	1	65.7	1	65.7				
MOUNT ROGERS DISTRICT	41	777.8	11	208.7	9	170.7	6	113.8	2	37.9	4	75.9	1	19.0
BLAND														
CARROLL														
GRAYSON	6	1,041.7	2	347.2	2	347.2	2	347.2						
SMYTH	4	562.6	3	421.9	1	140.6								
WASHINGTON	8	931.3	2	232.8			1	116.4			1	116.4		
WYTHE	7	653.6	1	93.4	1	93.4	2	186.7			2	186.7		
BRISTOL	11	951.6	3	259.5	3	259.5	1	86.5			1	86.5	1	86.5
GALAX	5	1,113.6			2	445.4			2	445.4				
NEW RIVER DISTRICT	60	784.6	13	170.0	16	209.2	6	78.5	3	39.2	1	13.1	3	39.2
FLOYD	4	1,049.9	1	262.5	2	524.9	1	262.5						
GILES	2	558.7			2	558.7							2	59.3
MONTGOMERY	17	503.7	3	88.9	5	148.1					1	42.0		
PULASKI	29	1,217.5	7	293.9	5	209.9	5	209.9	3	125.9	1	42.0	1	86.9
RADFORD	8	695.0	2	173.8	2	173.8								
ALLEGHANY DISTRICT	78	1,058.1	28	379.8	17	230.6	1	13.6	1	13.6	3	40.7	3	40.7
ALLEGHANY	8	2,589.0	6	1,941.7			1	323.6			1	323.6		
BOTETOURT	6	399.5			4	266.3					1	66.6		
CRAIG														
ROANOKE	12	495.9	5	206.6	1	41.3			1	41.3			2	268.8
CLIFTON FORGE	13	1,747.3	4	537.6	3	403.2								
COVINGTON	16	1,421.0	8	710.5	3	266.4					1	79.2	1	79.2
SALEM	23	1,821.1	5	395.9	6	475.1					1	50.4	1	50.4
ROANOKE CITY DISTRICT	295	1,146.7	74	287.6	69	268.2	23	89.4	9	35.0	14	54.4	9	35.0
CENTRAL SHENANDOAH	109	783.3	29	208.4	35	251.5	8	57.5	6	43.1	3	21.6	1	7.2
AUGUSTA	16	631.9	4	158.0	8	316.0	2	79.0	2	79.0				
BATH	3	1,000.0	2	666.7										
HIGHLAND														
ROCKBRIDGE	12	1,711.8	3	428.0	3	428.0	1	142.7						
ROCKINGHAM	10	887.3	3	266.2	4	354.9	1	88.7	1	88.7				
BUENA VISTA	2	630.9			1	209.6								
HARRISONBURG	13	497.1	2	76.5	4	153.0	1	38.2	1	38.2				
LEXINGTON	13	1,314.5	4	404.4	1	101.1			1	101.1	1	101.1		
STAUNTON	26	777.0	6	179.3	10	298.9	3	89.7	1	29.9	1	29.9		
WAYNESBORO	14	704.9	5	251.8	5	251.8								
LORD FAIRFAX DISTRICT	69	866.2	26	326.4	13	163.2	5	62.8	4	50.2	3	37.7		
CLARKE	14	1,063.8	7	531.9	4	304.0					1	76.0		
FREDERICK	8	639.0	4	319.5	1	79.9	2	159.7						
PAGE	6	1,067.6			2	355.9	2	355.9						
SHENANDOAH	4	838.6	3	628.9	1	209.6								
WARREN	11	622.2	2	113.1	1	56.6	1	56.6	2	113.1				
WINCHESTER	26	1,003.5	10	386.0	4	154.4			2	77.2	2	77.2		
ALEXANDRIA DISTRICT	176	636.5	58	209.7	34	123.0	3	10.8	3	10.8	8	28.9	6	21.7
ARLINGTON DISTRICT	122	609.7	36	179.9	31	154.9	9	45.0	7	35.0	4	20.0	1	5.0
FAIRFAX DISTRICT	250	317.5	55	69.9	68	86.4	13	16.5	13	16.5	7	8.9	6	7.6
FAIRFAX	236	305.3	53	68.6	65	84.1	12	15.5	12	15.5	7	9.1	6	7.8
FAIRFAX CITY	13	1,200.4	2	184.7	2	184.7	1	92.3	1	92.3				
FALLS CHURCH	1	283.3			1	283.3								
LOUDOUN	65	545.9	17	142.8	14	117.6	3	25.2	1	8.4	1	8.4		
PRINCE WILLIAM DISTRICT	161	411.5	32	81.8	44	112.5	11	28.1	10	25.6	5	12.8	3	7.7
PRINCE WILLIAM	143	418.1	30	87.7	39	114.0	10	29.2	9	26.3	3	8.8	2	5.8
MANASSAS	18	431.1	2	47.9	5	119.8	1	24.0	1	24.0	2	47.9	1	24.0
MANASSAS PARK														
RAPPAHANNOCK/RAPIDAN	186	891.5	43	206.1	41	196.5	20	95.9	9	43.1	9	43.1	6	28.8
CULPEPER	62	889.7	14	200.9	13	186.5	7	100.4	1	14.3	2	28.7	3	43.0
FAUQUIER	61	884.7	14	203.0	15	217.5	5	72.5	5	72.5	2	29.0	2	29.0
MADISON	22	1,053.1	5	239.3	7	335.1	1	47.9			2	95.7	1	47.9
ORANGE	35	817.2	9	210.1	5	116.7	6	140.1	3	70.0	3	70.0		
RAPPAHANNOCK	6	955.4	1	159.2	1	159.2	1	159.2						
THOMAS JEFFERSON	310	906.0	83	242.6	71	207.5	21	61.4	8	23.4	10	29.2	9	26.3
ALBEMARLE	68	754.5	15	166.4	21	233.0	5	55.5	1	11.1	2	22.2	3	33.3
FLUVANNA	28	591.5	9	190.1	7	147.9	2	42.2	1	21.1	1	21.1		
GREENE	5	469.9					1	94.0						
LOUISA	62	861.9	18	250.2	18	250.2	2	27.8	1	13.9	2	27.8	1	13.9
NELSON	29	965.7	9	299.7	7	233.1	2	66.6			2	66.6		
CHARLOTTESVILLE	118	1,281.4	32	347.5	18	195.5	9	97.7	5	54.3	5	54.3	3	32.6
CENTRAL VIRGINIA	411	924.0	124	278.8	92	206.8	49	110.2	17	38.2	10	22.5	12	27.0
AMHERST	53	772.9	18	262.5	10	145.8	7	102.1	3	43.8			2	29.2
APPOMATTOX	27	796.0	10	294.8	3	88.4	5	147.4			1	29.5	1	29.5
BEDFORD	32	606.3	7	132.6	8	151.6	3	56.8	2	37.9	1	18.9	3	56.8
CAMPBELL	73	875.7	24	287.9	18	215.9	7	84.0	5	60.0	4	48.0	1	12.0

The column "All Deaths" consists of all deaths, not just the 13 listed.
Therefore, the rows do not add across.

Table 13
Resident Deaths for Black Race by Health Dist: 13 Leading Causes with Rates per 100,000 Population, Virginia, 1998

COPD		NEPHRITIS & NEPHROSIS		HOMICIDE & LEGAL		HIV INFECTION & AIDS		SEPTICEMIA		PERINATAL		HYPERTENSION		
Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	
292	21.4	252	18.5	247	18.1	204	15.0	203	14.9	176	12.9	114	8.4	
								2	133.4					
								2	239.2					
		1	36.6											
			1	65.7										
1	19.0							1	19.0					
								1	116.4					
3	39.2	3	39.2					1	13.1					
1	29.6	1	29.6					1	29.6					
1	42.0	2	84.0											
3	40.7	3	40.7	1	13.6			2	27.1	2	27.1			
1	41.3									1	41.3			
2	177.6	2	177.6	1	79.2	1	79.2		2	158.4	1	79.2		
7	27.2	6	23.3	10	38.9	6	23.3	2	7.8	4	15.5	3	11.7	
2	14.4	3	21.6			1	7.2	1	7.2	1	7.2	1	7.2	
1	88.7					1	142.7	1	142.7					
1	101.1	2	76.5							1	101.1		1	29.9
4	50.2	1	12.6					1	12.6	1	12.6			
1	76.0			1	177.9									
1	56.6									1	56.6			
2	77.2							1	38.6					
7	25.3	2	7.2	5	18.1	6	21.7	6	21.7	3	10.8			
1	5.0	4	20.0	1	5.0	5	25.0	3	15.0	1	5.0	2	10.0	
4	5.1	5	6.4	5	6.4	12	15.2	6	7.6	6	7.6	4	5.1	
4	5.2	5	6.5	4	5.2	12	15.5	5	6.5	6	7.8	4	5.2	
1	24.0	1	24.0	1	92.3			1	92.3					
5	42.0	4	33.6	1	8.4	3	25.2	1	8.4					
5	12.8	5	12.8	5	12.8	5	12.8	3	7.7	7	17.9	1	2.6	
4	11.7	4	11.7	5	14.6	5	14.6	3	8.8	6	17.5			
1	24.0	1	24.0							1	24.0	1	24.0	
5	24.0	3	14.4	4	19.2	1	4.8	3	14.4	4	19.2	5	24.0	
4	57.4			1	14.3			1	14.3			3	43.0	
1	14.5	1	14.5	2	29.0			1	47.9	1	47.9	2	29.0	
		1	47.9			1	47.9			1	47.9			
		1	23.3					1	23.3	2	46.7			
		1	159.2											
6	17.5	13	38.0	2	5.8	6	17.5	7	20.5	2	5.8	4	11.7	
		1	11.1			1	11.1	2	22.2			2	22.2	
		1	94.0					1	21.1					
		4	55.6			1	13.9	1	13.9			1	94.0	
2	66.6							2	66.6			1	13.9	
4	43.4	7	76.0	2	21.7	4	43.4	1	10.9	2	21.7			
11	24.7	4	9.0	5	11.2	9	20.2	3	6.7	4	9.0	1	2.2	
4	58.3					1	14.6							
1	29.5			1	29.5	1	29.5							
3	36.0		1	18.9		1	18.9	2	24.0	1	12.0	1	18.9	

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Therefore, the rows do not add across.

Table 13
Resident Deaths for Black Race by Health Dist: 13 Leading Causes with Rates per 100,000 Population, Virginia, 1998

	All Deaths		HEART DISEASE		MALIGNANT NEOPLASMS		CEREBROVASCULAR		UNINTENTIONAL INJ		DIABETES MELLITUS		PNEUMONIA & INFLUENZA	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
CENTRAL VIRGINIA (con't)	411	924.0	124	278.8	92	206.8	49	110.2	17	38.2	10	22.5	12	27.0
BEDFORD CITY	18	1,170.4	5	325.1	4	260.1	1	65.0	1	65.0	1	65.0	1	65.0
LYNCHBURG	208	1,090.1	60	314.4	49	256.8	26	136.3	6	31.4	3	15.7	4	21.0
PITTSYLVANIA/DANVILLE	343	918.0	106	283.7	77	206.1	29	77.6	18	48.2	15	40.1	10	26.8
PITTSYLVANIA	139	804.4	40	231.5	34	196.7	12	69.4	6	34.7	8	46.3	3	17.4
DANVILLE	204	1,015.8	66	328.7	43	214.1	17	84.7	12	59.8	7	34.9	7	34.9
WEST PIEDMONT	265	958.9	83	300.3	54	195.4	17	61.5	15	54.3	13	47.0	4	14.5
FRANKLIN	42	765.2	17	309.7	6	109.3	2	36.4			2	36.4		
HENRY	124	858.3	41	283.8	28	193.8	7	48.5	10	69.2	6	41.5	2	13.8
PATRICK	14	903.8	2	129.1	1	64.6	1	64.6	2	129.1	2	129.1		
MARTINSVILLE	85	1,381.7	23	373.9	19	308.8	7	113.8	3	48.8	3	48.8	2	32.5
SOUTHSIDE DISTRICT	425	1,089.0	129	330.6	87	222.9	38	97.4	19	48.7	14	35.9	20	51.2
BRUNSWICK	106	1,024.8	41	396.4	20	193.4	9	87.0	6	58.0	2	19.3	3	29.0
HALIFAX	168	1,070.5	51	325.0	34	216.7	12	76.5	9	57.4	7	44.6	8	51.0
MECKLENBURG	151	1,162.5	37	284.9	33	254.1	17	130.9	4	30.8	5	38.5	9	69.3
PIEDMONT DISTRICT	408	1,067.2	109	285.1	108	282.5	41	107.2	13	34.0	16	41.8	19	49.7
AMELIA	34	912.8	9	241.6	10	268.5	3	80.5	2	53.7				
BUCKINGHAM	57	849.5	17	253.4	18	268.3	3	44.7			2	29.8		
CHARLOTTE	49	1,002.9	16	327.5	13	266.1	4	81.9	1	20.5	3	61.4	2	40.9
CUMBERLAND	44	1,322.5	17	511.0	10	300.6	5	150.3			3	90.2		
LUNENBURG	50	942.5	15	282.8	12	226.2	4	75.4	4	75.4			2	37.7
NOTTOWAY	86	1,282.2	14	208.7	27	402.6	11	164.0			4	59.6	10	149.1
PRINCE EDWARD	88	1,162.2	21	277.3	18	237.7	11	145.3	6	79.2	6	79.2	3	39.6
CHESTERFIELD DISTRICT	206	474.9	58	133.7	41	94.5	13	30.0	10	23.1	5	11.5	7	16.1
CHESTERFIELD	165	438.4	39	103.6	35	93.0	8	21.3	10	26.6	5	13.3		
POW/HATAN	32	573.5	14	250.9	5	89.6	4	71.7			2	35.8		
COLONIAL HEIGHTS	9	5,660.4	5	3,144.7	1	628.9	1	628.9						
HANOVER DISTRICT	180	744.6	51	211.0	48	198.6	12	49.6	11	45.5	5	20.7	6	24.8
CHARLES CITY	42	889.5	16	338.8	10	211.8	4	84.7	2	42.4	1	21.2		
GOOCHLAND	44	692.0	14	220.2	9	141.6	2	31.5	3	47.2	2	31.5		
HANOVER	73	757.6	17	176.4	20	207.6	5	51.9	5	51.9	2	20.8	6	62.3
NEW KENT	21	607.1	4	115.6	9	260.2	1	28.9	1	28.9				
HENRICO DISTRICT	389	691.0	91	161.7	90	159.9	29	51.5	19	33.8	13	23.1	7	12.4
RICHMOND CITY DISTRICT	1,297	1,147.8	310	274.3	295	261.1	78	69.0	73	64.6	36	31.9	30	26.5
RAPPAHANNOCK DISTRICT	246	681.4	82	227.1	41	113.6	16	44.3	12	33.2	12	33.2	5	13.8
CAROLINE	75	815.2	27	293.5	12	130.4	4	43.5	1	10.9	1	10.9		
KING GEORGE	30	762.8	6	152.6	3	76.3	1	25.4	4	101.7	3	76.3	2	50.9
SPOTSYLVANIA	67	641.3	19	181.9	16	153.2	7	67.0	6	57.4	4	38.3	2	19.1
STAFFORD	28	388.3	6	83.2	6	83.2	1	13.9	1	13.9	3	41.6	1	13.9
FREDERICKSBURG	46	866.0	24	451.8	4	75.3	3	56.5	1	18.8				
THREE RIVERS DISTRICT	407	1,120.3	120	330.3	108	297.3	28	77.1	20	55.0	12	33.0	15	41.3
LANCASTER	65	1,748.3	17	457.2	19	511.0	4	107.6	3	80.7	4	107.6	2	53.8
NORTHUMBERLAND	56	1,520.5	16	434.4	20	543.0	4	108.6	1	27.2	2	54.3	2	54.3
RICHMOND	32	937.3	7	205.0	4	117.2	6	175.7	1	29.3			1	29.3
WESTMORELAND	54	916.7	17	288.6	16	271.6	4	67.9	5	84.9			1	17.0
ESSEX	36	964.6	9	241.2	13	348.3	1	26.8	1	26.8			1	26.8
GLOUCESTER	56	1,225.9	25	547.3	9	197.0	3	65.7	1	21.9	1	21.9	4	87.6
KING AND QUEEN	36	1,214.6	10	337.4	12	404.9	3	101.2			1	33.7	2	67.5
KING WILLIAM	30	699.1	7	163.1	6	139.8	1	23.3	3	69.9	3	69.9		
MATHEWS	12	835.7	4	278.6	1	69.6			2	139.3	1	69.6		
MIDDLESEX	30	1,139.0	8	303.7	8	303.7	2	75.9	3	113.9			2	75.9
CRATER DISTRICT	697	975.5	201	281.3	182	254.7	50	70.0	26	36.4	22	30.8	14	19.6
DINWIDDIE	70	698.4	20	199.5	19	189.6	6	59.9	2	20.0	3	29.9		
GREENSVILLE	43	610.7	13	184.6	10	142.0	9	127.8						
PRINCE GEORGE	49	508.9	14	145.4	21	218.1	1	10.4	2	20.8	2	20.8	2	20.8
SURRY	32	830.1	9	233.5	7	181.6	3	77.8	3	77.8	1	25.9	1	25.9
SUSSEX	80	1,315.6	24	394.7	19	312.4	8	131.6	3	49.3	2	32.9	3	49.3
EMPORIA	60	2,241.3	20	747.1	11	410.9	2	74.7	1	37.4	1	37.4	2	74.7
HOPEWELL	60	944.4	17	267.6	16	251.8	5	78.7	4	63.0	1	15.7	1	15.7
PETERSBURG	303	1,174.6	84	325.6	79	306.3	16	62.0	11	42.6	12	46.5	5	19.4
CHESAPEAKE DISTRICT	417	675.9	103	166.9	104	168.6	29	47.0	20	32.4	17	27.6	13	21.1
NORFOLK DISTRICT	897	955.2	261	277.9	183	194.9	68	72.4	27	28.8	39	41.5	23	24.5
PORTSMOUTH DISTRICT	563	1,115.9	162	321.1	125	247.8	39	77.3	17	33.7	28	55.5	15	29.7
VIRGINIA BEACH DISTRICT	337	502.2	76	113.3	78	116.2	27	40.2	19	28.3	11	16.4	10	14.9
WESTERN TIDEWATER	524	969.1	169	312.5	118	218.2	36	66.6	24	44.4	21	38.8	9	16.6
ISLE OF WIGHT	88	855.5	26	252.8	28	272.2	5	48.6	6	58.3	4	38.9		
SOUTHAMPTON	84	984.9	24	281.4	11	129.0	11	129.0	3	35.2	3	35.2	1	11.7
FRANKLIN CITY	76	1,546.3	27	549.3	23	468.0	7	142.4	4	81.4	1	20.3	1	20.3
SUFFOLK	276	909.6	92	303.2	56	184.6	13	42.8	11	36.3	13	42.8	7	23.1
HAMPTON DISTRICT	437	752.3	137	235.8	98	168.7	31	53.4	10	17.2	11	18.9	17	29.3
PENINSULA DISTRICT	634	730.1	188	216.5	145	167.0	40	46.1	24	27.6	26	29.9	18	20.7
JAMES CITY CO	58	666.0	13	149.3	19	218.2	2	23.0	3	34.4	4	45.9	1	11.5
YORK	58	562.4	15	145.4	17	164.8	3	29.1	3	29.1	2	19.4	3	29.1
NEWPORT NEWS	495	753.7	150	228.4	104	158.3	34	51.8	17	25.9	18	27.4	14	21.3
POQUOSON	1	970.9	1	970.9										
WILLIAMSBURG	22	1,083.2	9	443.1	5	246.2	1	49.2	1	49.2	2	98.5		
EASTERN SHORE	192	1,045.4	57	310.4	50	272.2	13	70.8	7	38.1	5	27.2	4	21.8
ACCOMACK	122	1,003.6	37	304.4	30	246.8	7	57.6	3	24.7	4	32.9	2	16.5
NORTHAMPTON	70	1,127.2	20	322.1	20	322.1	6	96.6	4	64.4	1	16.1	2	32.2

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Table 13
Resident Deaths for Black Race by Health Dist: 13 Leading Causes with Rates per 100,000 Population, Virginia, 1998

COPD		NEPHRITIS & NEPHROSIS		HOMICIDE & LEGAL		HIV INFECTION & AIDS		SEPTICEMIA		PERINATAL		HYPERTENSION	
Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
11	24.7	4	9.0	5	11.2	9	20.2	3	6.7	4	9.0	1	2.2
		1	65.0	2	130.0								
3	15.7	2	10.5	2	10.5	4	21.0	2	10.5	3	15.7		
9	24.1	7	18.7	4	10.7	3	8.0	4	10.7	4	10.7	2	5.4
4	23.1	3	17.4					2	11.6	1	5.8	2	11.6
5	24.9	4	19.9	4	19.9	3	14.9	2	10.0	3	14.9		
3	10.9	3	10.9	6	21.7	1	3.6	6	21.7	5	18.1	3	10.9
1	18.2	1	18.2	1	18.2			1	18.2			1	18.2
		1	6.9	2	13.8	1	6.9	3	20.8	3	20.8	2	13.8
2	129.1			1	16.3	3	48.8			1	16.3	2	32.5
16	41.0	10	25.6	9	23.1	8	20.5	10	25.6	2	5.1	3	7.7
5	48.3	3	29.0	1	9.7	2	19.3	2	19.3	1	9.7		
8	51.0	5	31.9	3	19.1	1	6.4	4	25.5			1	6.4
3	23.1	2	15.4	5	38.5	5	38.5	4	30.8	1	7.7	2	15.4
9	23.5	6	15.7	4	10.5	4	10.5	2	5.2	6	15.7	9	23.5
		1	26.8			1	26.8					1	26.8
2	29.8	1	14.9					1	14.9	1	14.9	2	29.8
1	20.5			1	30.1							2	60.1
1	30.1			2	37.7	1	14.9	1	14.9			3	44.7
1	18.9			2	37.7	2	26.4	1	13.2	4	52.8	1	13.2
4	9.2	5	11.5	5	11.5	3	6.9	6	13.8	7	16.1		
3	8.0	5	13.3	4	10.6	3	8.0	5	13.3	7	18.6		
1	17.9			1	628.9			1	17.9				
6	24.8	6	24.8	3	12.4	2	8.3	2	8.3	1	4.1	3	12.4
2	42.4	1	21.2	1	21.2							1	21.2
1	15.7	2	31.5			1	15.7	1	15.7	1	15.7	2	31.5
2	20.8	2	20.8	2	20.8	1	10.4	1	10.4				
1	28.9	1	28.9									2	19.1
9	16.0	4	7.1	19	33.8	6	10.7	11	19.5	11	19.5	3	5.3
34	30.1	34	30.1	73	64.6	33	29.2	26	23.0	18	15.9	10	8.8
8	22.2	5	13.8	2	5.5	2	5.5	5	13.8	4	11.1	6	16.6
4	43.5	2	21.7			2	21.7	2	21.7	1	10.9	2	21.7
		1	25.4					2	50.9	2	50.9	1	25.4
2	19.1	2	19.1					1	13.9			2	19.1
1	13.9			2	37.7					1	18.8	1	18.8
1	18.8												
13	35.8	9	24.8	3	8.3	3	8.3	8	22.0	2	5.5	6	16.5
4	107.6	1	26.9			1	26.9	1	26.9			2	53.8
1	27.2							2	54.3			1	29.3
2	58.6	1	29.3	3	87.9			1	29.3				
		1	17.0					1	17.0			2	43.8
		1	26.8									1	69.6
1	21.9	3	65.7			1	21.9						
2	46.6	1	33.7			1	33.7	1	33.7	2	46.6		
1	69.6											1	69.6
2	75.9	1	38.0										
15	21.0	24	33.6	6	8.4	3	4.2	13	18.2	6	8.4	8	11.2
2	20.0	1	10.0	2	20.0			1	10.0			2	20.0
2	28.4	1	14.2			2	28.4			1	10.4	1	25.9
		1	10.4									1	16.4
1	16.4	5	82.2			1	16.4	1	16.4				
4	149.4	4	149.4	1	37.4			1	37.4	1	37.4		
2	31.5	2	31.5					1	15.7	2	31.5		
4	15.5	10	38.8	3	11.6			8	31.0	2	7.8	3	11.6
7	11.3	5	8.1	1	1.6	14	22.7	12	19.4	6	9.7	3	4.9
23	24.5	23	24.5	24	25.6	22	23.4	17	18.1	21	22.4	8	8.5
14	27.7	9	17.8	14	27.7	10	19.8	12	23.8	13	25.8	8	15.9
8	11.9	5	7.5	6	8.9	8	11.9	5	7.5	13	19.4	4	6.0
18	33.3	14	25.9	3	5.5	8	14.8	5	9.2	3	5.5	3	5.5
3	29.2	2	19.4			1	11.7	3	35.2	1	11.7	1	11.7
9	105.5	1	11.7			3	61.0						
6	19.8	11	36.3	3	9.9	4	13.2	2	6.6	2	6.6	2	6.6
11	18.9	9	15.5	9	15.5	6	10.3	3	5.2	4	6.9	5	8.6
18	20.7	14	16.1	15	17.3	13	15.0	8	9.2	15	17.3	6	6.9
2	23.0	1	11.5	1	11.5	2	23.0					2	23.0
2	19.4	1	9.7			1	9.7	1	9.7				
14	21.3	11	16.7	14	21.3	10	15.2	7	10.7	15	22.8	4	6.1
		1	49.2										
3	16.3	3	16.3	2	10.9	1	5.4	6	32.7			3	16.3
1	8.2	3	24.7			1	8.2	5	41.1			2	16.5
2	32.2			2	32.2			1	16.1			1	16.1

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Table 14
Resident Deaths for API Race by Health District: Fourteen Leading Causes with Rates per 100,000 Population, Virginia, 1998

	All Deaths		MALIGNANT NEOPLASMS		HEART DISEASE		CEREBROVASCULAR		UNINTENTIONAL INJ		SUICIDE	PNEUMONIA & INFLUENZA	COPD	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total Rate	
State of Virginia	485	196.2	151	61.1	111	44.9	42	17.0	28	11.3	15	6.1	14	5.7
LENOWISCO DISTRICT														
CUMBERLAND PLATEAU														
MOUNT ROGERS DISTRICT														
NEW RIVER DISTRICT	1	22.4	1	22.4										
ALLEGHANY DISTRICT	2	137.7	1	68.9										
ROANOKE CITY														
CENTRAL SHENANDOAH	2	126.2	1	63.1					1	63.1				
LORD FAIRFAX DISTRICT	2	172.3			1	86.1								
ALEXANDRIA DISTRICT	23	333.3	5	72.5	7	101.4	2	29.0			1	14.5	1	14.5
ARLINGTON DISTRICT	31	186.1	10	60.0	9	54.0	3	18.0			2	12.0		
FAIRFAX DISTRICT	238	214.3	80	72.0	54	48.6	19	17.1	12	10.8	7	6.3	8	7.2
LOUDOUN	12	236.0	3	59.0	2	39.3	1	19.7	2	39.3			1	19.7
PRINCE WILLIAM DISTRICT	17	128.3	3	22.6	6	45.3			1	7.5	1	7.5		
RAPPAHANNOCK/RAPIDAN	1	93.2	1	93.2										
THOMAS JEFFERSON	1	24.8	1	24.8										
CENTRAL VIRGINIA	3	233.5			1	77.8								
PITTSYLVANIA/DANVILLE	2	471.7	1	235.8	1	235.8								
WEST PIEDMONT	1	322.6							1	322.6				
SOUTHSIDE DISTRICT														
PIEDMONT DISTRICT														
CHESTERFIELD DISTRICT	9	131.0	3	43.7	2	29.1					1	14.6		
HANOVER DISTRICT	1	157.7	1	157.7										
HENRICO DISTRICT	19	273.3	7	100.7	5	71.9	1	14.4	1	14.4			1	14.4
RICHMOND CITY DISTRICT	3	130.2	1	43.4	1	43.4								
RAPPAHANNOCK DISTRICT	5	143.5	2	57.4	1	28.7						1	28.7	
THREE RIVERS DISTRICT	2	305.3	1	152.7			1	152.7						
CRATER DISTRICT	6	317.8	1	53.0	1	53.0						1	53.0	
CHESAPEAKE DISTRICT	5	142.0			1	28.4			1	28.4			1	28.4
NORFOLK DISTRICT	25	307.5	10	123.0	6	73.8	4	49.2						
PORTSMOUTH DISTRICT	3	273.2			1	91.1			1	91.1	1	91.1		
VIRGINIA BEACH DISTRICT	45	166.7	8	29.6	11	40.8	8	29.6	3	11.1	1	3.7	1	3.7
WESTERN TIDEWATER	2	393.7							1	196.9				
HAMPTON DISTRICT	10	301.4	1	30.1			3	90.4	4	120.6			1	30.1
PENINSULA DISTRICT	13	139.2	9	96.4	1	10.7					1	10.7		
EASTERN SHORE	1	819.7			1						1	819.7		

The column "All Deaths" consists of all deaths, not just the 14 listed.
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Table 14
Resident Deaths for API Race by Health District: Fourteen Leading Causes with Rates per 100,000 Population, Virginia, 1998

	DIABETES MELLITUS		SEPTICEMIA		NEPHRITIS & NEPHROSIS		CONGENITAL ANOM		HOMICIDE & LEGAL INTERV		HYPERTENSION		VIRAL HEPATITIS	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
State of Virginia	9	3.6	9	3.6	8	3.2	5	2.0	5	2.0	4	1.6	4	1.6
LENOWISCO DISTRICT														
CUMBERLAND PLATEAU														
MOUNT ROGERS DISTRICT														
NEW RIVER DISTRICT														
ALLEGHANY DISTRICT														
ROANOKE CITY														
CENTRAL SHENANDOAH														
LORD FAIRFAX DISTRICT							1	86.1						
ALEXANDRIA DISTRICT														
ARLINGTON DISTRICT							2	12.0				1	6.0	
FAIRFAX DISTRICT	3	2.7	4	3.6	4	3.6	2	1.8	4	3.6	2	1.8	1	.9
LOUDOUN											1	19.7		
PRINCE WILLIAM DISTRICT	2	15.1	1	7.5					1	7.5				
RAPPAHANNOCK/RAPIDAN														
THOMAS JEFFERSON														
CENTRAL VIRGINIA	1	77.8										1	77.8	
PITTSYLVANIA/DANVILLE														
WEST PIEDMONT														
SOUTHSIDE DISTRICT														
PIEDMONT DISTRICT														
CHESTERFIELD DISTRICT											1	14.6		
HANOVER DISTRICT														
HENRICO DISTRICT														
RICHMOND CITY DISTRICT					1	43.4								
RAPPAHANNOCK DISTRICT													1	28.7
THREE RIVERS DISTRICT														
CRATER DISTRICT	1	53.0	1	53.0										
CHESAPEAKE DISTRICT	1	28.4												
NORFOLK DISTRICT					1	12.3								
PORTSMOUTH DISTRICT														
VIRGINIA BEACH DISTRICT			2	7.4	2	7.4								
WESTERN TIDEWATER	1	196.9												
HAMPTON DISTRICT														
PENINSULA DISTRICT					1	10.7								
EASTERN SHORE														

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Table 15
Resident Deaths for Hispanic Ethnicity by Health District: 13 Leading Causes with Rates per 100,000 Population, Virginia, 1998

	All Deaths		HEART DISEASE		MALIGNANT NEOPLASMS		UNINTENTIONAL INJ		CEREBROVASCULAR		COPD		PERINATAL CONDITIONS	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
State of Virginia	434	173.0	109	43.5	77	30.7	50	19.9	23	9.2	17	6.8	17	6.8
LENOWISCO DISTRICT	4	746.3											1	186.6
CUMBERLAND PLATEAU	4	485.4	1	121.4	2	242.7			1	121.4				
MOUNT ROGERS DISTRICT	6	550.5	1	91.7	1	91.7	1	91.7						
NEW RIVER DISTRICT	2	112.2	1	56.1	1	56.1								
ALLEGHANY DISTRICT	4	303.5	2	151.7					1	75.9				
ROANOKE CITY	2	204.7	1	102.4										
CENTRAL SHENANDOAH	11	397.8	1	36.2			3	108.5					1	36.2
LORD FAIRFAX DISTRICT	7	327.7	3	140.4										
ALEXANDRIA DISTRICT	11	72.5	3	19.8	2	13.2	1	6.6						
ARLINGTON DISTRICT	48	146.2	12	36.5	9	27.4	8	24.4	7	21.3	2	6.1		
FAIRFAX DISTRICT	116	135.2	20	23.3	28	32.6	8	9.3	7	8.2	1	1.2	9	10.5
LOUDOUN	7	127.5	1	18.2	1	18.2	2	36.4						
PRINCE WILLIAM DISTRICT	26	126.5	8	38.9	4	19.5	7	34.1	1	4.9	2	9.7	1	4.9
RAPPAHANNOCK/RAPIDAN	2	111.5												
THOMAS JEFFERSON	6	227.9	1	38.0	1	38.0	2	76.0						
CENTRAL VIRGINIA	11	602.1	4	218.9	3	164.2								
PITTSYLVANIA/DANVILLE	4	532.6	3	399.5					1	133.2				
WEST PIEDMONT	8	924.9	2	231.2	1	115.6	1	115.6			1	115.6		
SOUTHSIDE DISTRICT	10	1,712.3	1	171.2	1	171.2	1	171.2			2	342.5		
PIEDMONT DISTRICT	4	553.3	2	276.6							1	138.3		
CHESTERFIELD DISTRICT	4	81.6	2	40.8	1	20.4								
HANOVER DISTRICT	3	347.6	2	231.7										
HENRICO DISTRICT	21	576.8	7	192.3	2	54.9			1	27.5	1	27.5		
RICHMOND CITY DISTRICT	5	201.8			1	40.4	1	40.4						
RAPPAHANNOCK DISTRICT	9	151.7	2	33.7	1	16.9	1	16.9			2	33.7	1	16.9
THREE RIVERS DISTRICT	10	734.2	2	146.8	5	367.1	1	73.4	1	73.4				
CRATER DISTRICT	5	148.4	2	59.4										
CHESAPEAKE DISTRICT	7	191.2	2	54.6	2	54.6	1	27.3						
NORFOLK DISTRICT	13	166.6	2	25.6	1	12.8	4	51.3	1	12.8			2	25.6
PORTSMOUTH DISTRICT	6	329.9	3	164.9			1	55.0						
VIRGINIA BEACH DISTRICT	27	140.9	10	52.2	4	20.9	2	10.4			1	5.2	3	15.7
WESTERN TIDEWATER	5	504.5	3	302.7			2	201.8						
HAMPTON DISTRICT	8	212.4	3	79.6			2	53.1	1	26.5				
PENINSULA DISTRICT	16	165.7	2	20.7	6	62.2			1	10.4	3	31.1		
EASTERN SHORE	2	213.9					1	107.0						

The column "All Deaths" consists of all deaths, not just the 13 listed.
Therefore, the rows do not add across.

Table 15
Resident Deaths for Hispanic Ethnicity by Health District: 13 Leading Causes with Rates per 100,000 Population, Virginia, 1998

	PNEUMONIA & INFLUENZA		SEPTICEMIA		CONGENITAL ANOMALIES		DIABETES		CHRONIC LIVER DISEASE		SUICIDE		HIV INFECTON & AIDS	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
State of Virginia	15	6.0	13	5.2	11	4.4	10	4.0	8	3.2	7	2.8	7	2.8
LENOWISCO DISTRICT			1	186.6					1	186.6				
CUMBERLAND PLATEAU														
MOUNT ROGERS DISTRICT														
NEW RIVER DISTRICT														
ALLEGHANY DISTRICT			1	75.9										
ROANOKE CITY														
CENTRAL SHENANDOAH	2	72.3	1	36.2										
LORD FAIRFAX DISTRICT			1	46.8			1	46.8						
ALEXANDRIA DISTRICT	1	6.6										1	6.6	
ARLINGTON DISTRICT							2	6.1	1	3.0	1	3.0		
FAIRFAX DISTRICT	2	2.3	5	5.8	6	7.0	1	1.2	3	3.5	2	2.3	3	3.5
LOUDOUN					2	36.4								
PRINCE WILLIAM DISTRICT									1	4.9	1	4.9		
RAPPAHANNOCK/RAPIDAN			1	55.8										
THOMAS JEFFERSON							1	38.0						
CENTRAL VIRGINIA	1	54.7			1	54.7								
PITTSYLVANIA/DANVILLE														
WEST PIEDMONT			1	115.6										
SOUTHSIDE DISTRICT							2	342.5						
PIEDMONT DISTRICT														
CHESTERFIELD DISTRICT										1	20.4			
HANOVER DISTRICT														
HENRICO DISTRICT	3	82.4	1	27.5					1	27.5	1	27.5	1	27.5
RICHMOND CITY DISTRICT	1	40.4												
RAPPAHANNOCK DISTRICT												1	16.9	
THREE RIVERS DISTRICT														
CRATER DISTRICT							1	29.7						
CHESAPEAKE DISTRICT	1	27.3												
NORFOLK DISTRICT	2	25.6												
PORTSMOUTH DISTRICT			1	55.0										
VIRGINIA BEACH DISTRICT					2	10.4	2	10.4			1	5.2		
WESTERN TIDEWATER														
HAMPTON DISTRICT														
PENINSULA DISTRICT	2	20.7							1	10.4				
EASTERN SHORE												1	107.0	

The column "All Deaths" consists of all deaths, not just the 13 listed.
Therefore, the rows do not add across.

Table 16
Resident Deaths for Selective Cancers by Race with Rates per 100,000 Population, Virginia, 1998

	LUNG CANCER							
	WHITE MALE		WHITE FEMALE		BLACK MALE		BLACK FEMALE	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate
State of Virginia	1,834	72.2	1,188	45.3	454	69.6	252	35.5
LENOWISCO DISTRICT	57	135.7	30	66.2				
LEE	19	167.8	7	57.1				
SCOTT	18	166.4	12	103.6				
WISE	17	93.8	8	41.2				
NORTON	3	171.0	3	147.0				
CUMBERLAND PLATEAU	51	88.3	27	44.6			1	95.8
BUCHANAN	13	93.1	7	49.5				
DICKENSON	10	122.5	7	81.6				
RUSSELL	11	78.4	8	54.8				
TAZEWELL	17	78.6	5	21.5			1	128.2
MOUNT ROGERS DISTRICT	103	120.9	40	43.4	2	76.3		
BLAND	1	29.6						
CARROLL	13	95.5	4	28.5				
GRAYSON	6	79.0	2	25.3				
SMYTH	27	177.3	6	36.0				
WASHINGTON	27	115.3	12	48.5				
WYTHE	11	92.1	9	68.6				
BRISTOL	12	168.1	4	44.1	1	192.3		
GALAX	6	208.2	3	85.7	1	490.2		
NEW RIVER DISTRICT	46	64.8	23	31.8	1	26.2	3	78.4
FLOYD	8	127.4	1	15.7				
GILES	3	38.8	7	86.3			1	588.2
MONTGOMERY	11	31.3	7	21.0				
PULASKI	18	116.4	6	36.3	1	78.9	2	179.4
RADFORD	6	94.4	2	25.5				
ALLEGHANY DISTRICT	56	76.3	32	40.1	5	132.8		
ALLEGHANY	3	50.8	3	51.2				
BOTETOURT	9	67.3	4	29.5	1	112.7		
CRAIG	2	81.7						
ROANOKE	31	84.8	13	31.8				
CLIFTON FORGE	3	187.9	2	100.5	1	295.9		
COVINGTON	1	38.6	2	65.2	1	180.2		
SALEM	7	64.0	8	65.6	2	310.1		
ROANOKE CITY	31	99.9	29	80.9	8	67.9	8	57.4
CENTRAL SHENANDOAH	102	92.7	55	47.8	5	68.0	4	61.0
AUGUSTA	32	108.7	13	44.0	2	119.0	1	117.5
BATH			1	44.6				
HIGHLAND								
ROCKBRIDGE	15	160.4	6	63.9	1	278.6	1	292.4
ROCKINGHAM	22	72.3	9	28.7	1	156.7		
BUENA VISTA	3	110.9	2	61.8				
HARRISONBURG	4	28.6	9	56.0				
LEXINGTON	3	81.3	3	118.0				
STAUNTON	15	165.6	4	37.2	1	56.1	1	63.9
WAYNESBORO	8	102.8	8	92.0			1	94.3
LORD FAIRFAX DISTRICT	91	109.7	48	55.8	4	98.6	1	25.6
CLARKE	3	53.0	3	52.3				
FREDERICK	29	108.3	14	52.4				
PAGE	9	82.5	3	26.4	1	331.1		
SHENANDOAH	23	139.7	5	28.5	1	425.5		
WARREN	16	115.4	11	76.9			1	111.5
WINCHESTER	11	118.2	12	115.3	2	151.5		
ALEXANDRIA DISTRICT	11	28.0	12	27.3	8	61.4	4	27.3
ARLINGTON DISTRICT	24	35.1	27	37.8	4	40.4	5	49.5
FAIRFAX DISTRICT	128	33.8	115	29.6	6	15.0	9	23.3
FAIRFAX	120	32.8	104	27.7	5	12.7	8	21.1
FAIRFAX CITY	5	59.1	9	99.8	1	189.8		
FALLS CHURCH	3	71.1	2	42.3			1	546.4
LOUDOUN	24	38.0	15	23.6	4	69.6		
PRINCE WILLIAM DISTRICT	48	37.5	45	36.8	5	25.3	6	31.0
PRINCE WILLIAM	41	37.5	35	33.7	5	28.9	5	29.5
MANASSAS	7	46.6	8	55.4			1	48.8
MANASSAS PARK			2	51.9				
RAPPAHANNOCK/RAPIDAN	43	78.3	28	50.6	9	84.6	2	19.6
CULPEPER	11	86.8	6	46.7	2	52.5		
FAUQUIER	10	42.8	9	38.7	6	175.0		
MADISON	1	19.1	3	56.5	1	100.2	1	91.7
ORANGE	16	155.0	9	84.2			1	45.4
RAPPAHANNOCK	5	151.0	1	30.3				
THOMAS JEFFERSON	36	49.4	29	37.9	16	98.6	4	22.2
ALBEMARLE	11	33.7	10	29.4	3	68.9	1	21.5
FLUVANNA	5	73.3	4	57.5				
GREENE	1	15.6						
LOUISA	11	127.5	2	23.0	6	170.9	1	27.2
NELSON	5	93.6	2	36.3	3	203.3		
CHARLOTTESVILLE	3	23.0	11	74.6	4	97.0	2	39.3
CENTRAL VIRGINIA	83	98.5	50	55.1	22	105.7	7	29.6
AMHERST	9	82.1	4	33.4	5	149.3	1	28.5
APPOMATTOX	5	105.2	1	20.1				
BEDFORD	17	67.4	10	39.9	4	149.4		
CAMPBELL	20	97.1	10	47.4	2	49.5	1	23.3

Table 16
Resident Deaths for Selective Cancers by Race with Rates per 100,000 Population, Virginia, 1998

	LUNG CANCER							
	WHITE MALE		WHITE FEMALE		BLACK MALE		BLACK FEMALE	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate
CENTRAL VIRGINIA (con't)	83	98.5	50	55.1	22	105.7	7	29.6
BEDFORD CITY	3	133.6	2	80.5				
LYNCHBURG	29	141.7	23	91.5	11	130.0	5	47.1
PITTSYLVANIA/DANVILLE	42	125.1	21	57.1	15	85.7	5	25.2
PITTSYLVANIA	26	131.8	6	29.7	8	95.3		
DANVILLE	16	115.6	15	90.7	7	76.9	5	45.5
WEST PIEDMONT	43	83.2	16	29.4	8	61.0	3	20.7
FRANKLIN	15	78.0	6	30.5	1	38.0		
HENRY	14	70.2	8	38.0	3	43.1	3	40.1
PATRICK	11	132.8	1	11.7				
MARTINSVILLE	3	71.0	1	19.1	4	145.1		
SOUTHSIDE DISTRICT	38	172.9	18	77.1	19	100.7	5	24.8
BRUNSWICK	3	94.2	4	126.5	1	19.1	3	58.6
HALIFAX	24	238.3	4	36.6	11	147.9	1	12.1
MECKLENBURG	11	126.2	10	108.1	7	112.7	1	14.8
PIEDMONT DISTRICT	28	106.5	11	41.9	17	86.5	7	37.7
AMELIA	4	121.4	3	90.7			1	51.8
BUCKINGHAM	2	47.2	2	54.9	2	52.2	1	34.7
CHARLOTTE	7	194.4	3	80.1	3	128.3		
CUMBERLAND	2	90.0	1	43.8				
LUNENBURG	3	88.7	1	30.1	1	34.0		
NOTTOWAY	7	172.1	1	24.3	8	225.4	2	63.3
PRINCE EDWARD	3	54.7			3	83.0	3	75.8
CHESTERFIELD DISTRICT	81	69.9	45	38.1	6	27.2	7	32.9
CHESTERFIELD	65	65.3	37	36.3	6	33.2	6	30.7
POWHATAN	8	90.9	5	67.0			1	60.3
COLONIAL HEIGHTS	8	105.6	3	34.7				
HANOVER DISTRICT	42	90.4	31	64.9	10	83.5	2	16.4
CHARLES CITY	1	106.7	3	340.5	3	132.7	1	40.6
GOOCHLAND	2	35.2	1	17.6				
HANOVER	34	96.9	24	65.6	5	106.5	1	20.2
NEW KENT	5	104.9	3	65.2	2	99.2		
HENRICO DISTRICT	73	85.7	61	62.9	15	59.6	13	41.8
RICHMOND CITY DISTRICT	29	80.6	27	63.7	51	101.7	33	52.5
RAPPAHANNOCK DISTRICT	49	50.7	35	37.0	9	49.9	3	16.6
CAROLINE	3	47.8	2	32.0	3	66.8	1	21.2
KING GEORGE	4	60.8	5	77.4	1	53.5		
SPOTSYLVANIA	20	56.1	16	44.4	3	57.9	1	19.0
STAFFORD	15	36.7	8	21.6	1	25.1	1	31.0
FREDERICKSBURG	7	96.3	4	45.6	1	39.8		
THREE RIVERS DISTRICT	64	141.2	30	63.6	18	102.2	12	64.1
LANCASTER	6	167.7	8	197.4	4	230.8	2	100.8
NORTHUMBERLAND	9	240.4	7	172.9	3	179.3	3	149.3
RICHMOND	4	149.5	1	39.7				
WESTMORELAND	15	300.3	6	113.9	1	35.9	1	32.2
ESSEX	3	119.5	1	36.1	2	114.6	1	50.3
GOULCESTER	11	73.2	5	33.2	2	93.4	1	41.2
KING AND QUEEN	4	231.9			4	280.7	1	65.0
KING WILLIAM	1	24.9					1	43.6
MATHEWS	8	216.8	2	51.2			1	128.4
MIDDLESEX	3	89.4			2	157.4	1	73.4
CRATER DISTRICT	44	122.7	24	67.4	44	125.1	18	49.6
DINWIDDIE	10	138.1	9	124.1	2	40.6	2	39.3
GREENSVILLE	1	41.8			4	93.2	1	36.4
PRINCE GEORGE	10	96.4	2	22.0	4	74.5	2	46.9
SURRY	2	155.4			1	54.9	1	49.2
SUSSEX	4	214.2	1	51.5	5	177.6	2	61.3
EMPORIA	1	78.0	1	67.8	6	473.6		
HOPEWELL	9	119.1	3	36.9	4	136.1	1	29.3
PETERSBURG	7	181.9	8	172.8	18	153.3	9	64.1
CHESAPEAKE DISTRICT	65	97.9	28	41.6	16	54.3	10	31.0
NORFOLK DISTRICT	48	83.9	41	74.6	26	59.1	25	50.1
PORTSMOUTH DISTRICT	32	138.7	18	75.0	15	65.1	13	47.4
VIRGINIA BEACH DISTRICT	85	50.2	79	47.2	11	33.4	7	20.5
WESTERN TIDEWATER	28	88.8	14	44.1	30	118.8	7	24.3
ISLE OF WIGHT	5	53.4	2	21.2	7	146.8		
SOUTHAMPTON	6	129.2	2	47.2	2	43.4	3	76.5
FRANKLIN CITY	2	113.8	1	50.5	7	329.1		
SUFFOLK	15	95.1	9	55.9	14	101.7	4	24.1
HAMPTON DISTRICT	29	77.4	19	50.4	13	48.4	7	22.4
PENINSULA DISTRICT	67	64.8	54	51.7	20	48.9	12	26.1
JAMES CITY CO	10	59.0	8	45.3	3	73.8	1	21.5
YORK	14	60.2	8	34.6	3	60.6	3	56.0
NEWPORT NEWS	36	67.5	30	56.6	12	38.9	7	20.1
POQUOSON	5	90.4	3	54.0				
WILLIAMSBURG	2	45.2	5	98.9	2	211.6	1	92.1
EASTERN SHORE	13	103.2	11	79.7	12	143.4	9	90.0
ACCOMACK	9	94.4	8	76.8	6	107.7	7	106.3
NORTHAMPTON	4	130.3	3	88.6	6	214.7	2	58.6

Table 16
Resident Deaths for Selective Cancers by Race with Rates per 100,000 Population, Virginia, 1998

	PROSTATE CANCER				BREAST CANCER			
	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate
State of Virginia	524	20.6	238	36.5	756	28.8	216	30.4
LENOWISCO DISTRICT	16	38.1			22	48.6		
LEE	3	26.5			4	32.6		
SCOTT	5	46.2			8	69.0		
WISE	7	38.6			10	51.5		
NORTON	1	57.0						
CUMBERLAND PLATEAU	13	22.5			19	31.4		
BUCHANAN	3	21.5			7	49.5		
DICKENSON	2	24.5			3	35.0		
RUSSELL	5	35.6			1	6.8		
TAZEWELL	3	13.9			8	34.5		
MOUNT ROGERS DISTRICT	28	32.9	1	38.2	34	36.9		
BLAND					1	32.5		
CARROLL	5	36.7			6	42.8		
GRAYSON	2	26.3			7	88.5		
SMYTH	2	13.1			4	24.0		
WASHINGTON	2	8.5			6	24.3		
WYTHE	5	41.9	1	203.3	5	38.1		
BRISTOL	7	98.1			5	55.1		
GALAX	5	173.5						
NEW RIVER DISTRICT	13	18.3	2	52.3	17	23.5		
FLOYD								
GILES	2	25.9			7	86.3		
MONTGOMERY	9	25.6			2	6.0		
PULASKI	1	6.5	2	157.9	8	48.4		
RADFORD	1	15.7						
ALLEGHANY DISTRICT	19	25.9	3	79.7	26	32.5	1	27.7
ALLEGHANY					1	17.1		
BOTETOURT	5	37.4	1	112.7	4	29.5		
CRAIG					1	41.4		
ROANOKE	8	21.9			15	36.7		
CLIFTON FORGE					1	50.3		
COVINGTON	1	38.6	2	310.1	2	65.2	1	175.1
SALEM	5	45.7			2	16.4		
ROANOKE CITY	13	41.9	3	25.5	20	55.8	8	57.4
CENTRAL SHENANDOAH	34	30.9	3	40.8	43	37.4	1	15.2
AUGUSTA	12	40.8			13	44.0		
BATH					1	79.8		
HIGHLAND					6	63.9		
ROCKBRIDGE	4	42.8			5	15.9		
ROCKINGHAM	8	26.3	1	156.7	2	61.8		
BUENA VISTA	1	37.0			5	31.1	1	69.4
HARRISONBURG	3	21.5	2	170.4	2	78.6		
LEXINGTON	1	27.1			6	55.7		
STAUNTON	2	22.1			3	34.5		
WAYNESBORO	3	38.6						
LORD FAIRFAX DISTRICT	26	31.3	2	49.3	45	52.3	2	51.1
CLARKE	2	35.3			2	34.9	2	307.7
FREDERICK	7	26.1	1	151.3	10	37.4		
PAGE	1	9.2			4	35.2		
SHEPANOAH	6	36.5			9	51.4		
WARREN	5	36.1			13	90.9		
WINCHESTER	5	53.7	1	75.8	7	67.2		
ALEXANDRIA DISTRICT	11	28.0	1	7.7	10	22.7	3	20.5
ARLINGTON DISTRICT	13	19.0	1	10.1	16	22.4	2	19.8
FAIRFAX DISTRICT	54	14.3	4	10.0	83	21.3	11	28.4
FAIRFAX	51	13.9	4	10.2	78	20.8	10	26.3
FAIRFAX CITY	3	35.5			4	44.3	1	179.9
FALLS CHURCH					1	21.2		
LOUDOUN	8	12.7	2	34.8	11	17.3	3	48.7
PRINCE WILLIAM DISTRICT	14	10.9	5	25.3	16	13.1	4	20.7
PRINCE WILLIAM							4	23.6
MANASSAS	13	11.9	4	23.2	8	7.7		
MANASSAS PARK	1	6.7	1	47.0	8	55.4		
RAPPAHANNOCK/RAPIDAN	10	18.2	3	28.2	14	25.3	3	29.3
CULPEPER	5	39.5	2	52.5	1	7.8	1	31.6
FAUQUIER	4	17.1	1	29.2	3	12.9		
MADISON					4	75.3	1	91.7
ORANGE					5	46.8	1	45.4
RAPPAHANNOCK	1	30.2			1	30.3		
THOMAS JEFFERSON	18	24.7	4	24.7	18	23.6	5	27.8
ALBEMARLE	8	24.5	1	23.0	7	20.6	2	42.9
FLUVANNA	3	44.0	1	44.3	3	43.2		
GREENE	1	15.6			2	31.0		
LOUISA	1	11.6	1	28.5	1	11.5	2	54.3
NELSON	1	18.7	1	67.8	2	36.3		
CHARLOTTESVILLE	4	30.7			3	20.4	1	19.7
CENTRAL VIRGINIA	20	23.7	7	33.6	25	27.5	1	4.2
AMHERST	4	36.5			5	41.7		
APPOMATTOX	1	21.0						
BEDFORD	3	11.9	1	37.3	10	39.9		
CAMPBELL	5	24.3	2	49.5	5	23.7		

Table 16
Resident Deaths for Selective Cancers by Race with Rates per 100,000 Population, Virginia, 1998

	PROSTATE CANCER				BREAST CANCER			
	WHITE MALE		BLACK MALE		WHITE FEMALE		BLACK FEMALE	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate
CENTRAL VIRGINIA (con't)								
BEDFORD CITY	1	44.5	1	144.9	1	40.3	1	117.9
LYNCHBURG	6	29.3	3	35.5	4	15.9		
PITTSYLVANIA/DANVILLE	7	20.9	7	40.0	9	24.5	6	30.2
PITTSYLVANIA	2	10.1	4	47.6	3	14.8	2	22.5
DANVILLE	5	36.1	3	33.0	6	36.3	4	36.4
WEST PIEDMONT	14	27.1	7	53.4	18	33.0	8	55.1
FRANKLIN	3	15.6			6	30.5	1	35.0
HENRY	7	35.1	7	100.6	8	38.0	3	40.1
PATRICK	1	12.1			2	23.4		
MARTINSVILLE	3	71.0			2	38.2	4	117.8
SOUTHSIDE DISTRICT	4	18.2	9	47.7	10	42.9	8	39.7
BRUNSWICK	1	31.4	1	19.1	1	31.6	3	58.6
HALIFAX	2	19.9	4	53.8	4	36.6	2	24.2
MECKLENBURG	1	11.5	4	64.4	5	54.0	3	44.3
PIEDMONT DISTRICT	3	11.4	16	81.4	12	45.7	5	26.9
AMELIA			2	111.4	1	30.2		
BUCKINGHAM	3	70.9	2	52.2	3	82.3	2	69.5
CHARLOTTE			4	171.0	2	53.4		
CUMBERLAND			2	68.0	1	30.1	2	84.6
LUNENBURG			5	140.9	4	97.0	1	31.7
NOTTOWAY			1	27.7	1	17.2		
PRINCE EDWARD								
CHESTERFIELD DISTRICT	12	10.4	2	9.1	38	32.2	4	18.8
CHESTERFIELD	7	7.0	2	11.1	33	32.4	3	15.3
POWHATAN	1	11.4			1	13.4	1	60.3
COLONIAL HEIGHTS	4	52.8			4	46.3		
HANOVER DISTRICT	9	19.4	9	75.1	11	23.0	8	65.6
CHARLES CITY			5	166.0			4	162.5
GOOCHLAND			2	42.6	2	35.1	1	29.9
HANOVER	9	25.7	2	99.2	9	24.6	3	60.7
NEW KENT								
HENRICO DISTRICT	21	24.7	6	23.8	21	21.7	7	22.5
RICHMOND CITY DISTRICT	7	19.5	24	47.9	18	42.4	29	46.1
RAPPAHANNOCK DISTRICT	16	16.6	3	16.6	19	20.1		
CAROLINE	2	31.9	1	22.3				
KING GEORGE	2	30.4			2	32.0		
SPOTSYLVANIA	4	11.2	1	19.3	7	19.4		
STAFFORD	7	17.1			6	16.2		
FREDERICKSBURG	1	13.8	1	39.8	4	45.6		
THREE RIVERS DISTRICT	11	24.3	5	28.4	17	36.0	10	53.4
LANCASTER	2	55.9	2	115.4	2	49.3	2	100.8
NORTHUMBERLAND	2	53.4			2	49.4	1	49.8
RICHMOND	1	37.4			1	39.7	1	81.6
WESTMORELAND			1	35.9			1	32.2
ESSEX			1	57.3	1	36.1	1	50.3
GOULCESTER	3	20.0			6	39.8	2	82.4
KING AND QUEEN			1	70.2			1	65.0
KING WILLIAM	1	24.9			1	24.1	1	43.6
MATHEWS	2	54.2			3	76.7		
MIDDLESEX					1	27.6		
CRATER DISTRICT	11	30.7	14	39.8	19	53.4	9	24.8
DINWIDDIE	4	55.2	2	40.6	4	55.2	2	39.3
GREENSVILLE					1	56.5		
PRINCE GEORGE	1	9.6	3	55.9	4	44.0		
SURRY	2	155.4	1	54.9			1	49.2
SUSSEX					3	154.6		
EMPORIA	1	78.0			1	67.8	1	70.9
HOPEWELL			3	102.1	2	24.6	2	58.6
PETERSBURG	3	78.0	5	42.6	4	86.4	3	21.4
CHESAPEAKE DISTRICT	10	15.1	17	57.7	20	29.7	11	34.1
NORFOLK DISTRICT	8	14.0	18	40.9	18	32.7	13	26.1
PORTSMOUTH DISTRICT	7	30.3	11	47.8	11	45.8	8	29.2
VIRGINIA BEACH DISTRICT	28	16.5	5	15.2	37	22.1	12	35.1
WESTERN TIDEWATER	6	19.0	13	51.5	17	53.6	14	48.6
ISLE OF WIGHT			3	62.9	4	42.5	1	18.1
SOUTHAMPTON	1	21.5			4	94.3		
FRANKLIN CITY			5	235.1	3	151.6	4	143.5
SUFFOLK	5	31.7	5	36.3	6	37.3	9	54.3
HAMPTON DISTRICT	8	21.4	12	44.7	11	29.2	10	32.0
PENINSULA DISTRICT	24	23.2	13	31.8	28	26.8	8	17.4
JAMES CITY CO	13	76.7	3	73.8	4	22.7	3	64.6
YORK	3	12.9	1	20.2	4	17.3		
NEWPORT NEWS	7	13.1	8	25.9	16	30.2	5	14.4
POQUOSON					4	72.0		
WILLIAMSBURG	1	22.6	1	105.8				
EASTERN SHORE	8	63.5	6	71.7	3	21.7	2	20.0
ACCOMACK	5	52.5	2	35.9	1	9.6	1	15.2
NORTHAMPTON	3	97.7	4	143.1	2	59.1	1	29.3

Table 16
Resident Deaths for Selective Cancers by Race with Rates per 100,000 Population, Virginia, 1998

	CERVICAL CANCER				COLORECTAL CANCER							
	WHITE FEMALE		BLACK FEMALE		WHITE MALE		WHITE FEMALE		BLACK MALE		BLACK FEMALE	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
State of Virginia	66	2.5	33	4.6	518	20.4	553	21.1	143	21.9	155	21.8
LENOWISCO DISTRICT					6	14.3	15	33.1				
LEE					3	26.5	4	32.6				
SCOTT							4	34.5				
WISE					3	16.6	7	36.0				
NORTON												
CUMBERLAND PLATEAU	2	3.3			13	22.5	13	21.5				
BUCHANAN					3	21.5	2	14.1				
DICKENSON					3	36.8	3	35.0				
RUSSELL	2	13.7			3	21.4	3	20.5				
TAZEWELL					4	18.5	5	21.5				
MOUNT ROGERS DISTRICT	4	4.3			18	21.1	31	33.7	1	38.2		
BLAND					3	22.0	4	28.5				
CARROLL					3	39.5	3	37.9				
GRAYSON					3	19.7	6	36.0				
SMYTH	2	12.0			2	8.5	6	24.3				
WASHINGTON	2	8.1			2	16.8	5	38.1				
WYTHE					4	56.0	6	66.2	1	192.3		
BRISTOL					1	34.7	1	28.6				
GALAX												
NEW RIVER DISTRICT	2	2.8			11	15.5	14	19.4	1	26.2	2	52.3
FLOYD					1	15.9			1	531.9		
GILES							5	61.6				
MONTGOMERY	1	3.0			2	5.7	5	15.0			2	118.1
PULASKI	1	6.0			7	45.3	4	24.2				
RADFORD					1	15.7						
ALLEGHANY DISTRICT	1	1.3			19	25.9	21	26.3	1	26.6		
ALLEGHANY					1	16.9	1	17.1				
BOTETOURT					6	44.8	2	14.8				
CRAIG					1	40.8	2	82.9				
ROANOKE					10	27.4	10	24.5				
CLIFTON FORGE	1	50.3					2	100.5	1	295.9		
COVINGTON							1	32.6				
SALEM							3	24.6				
ROANOKE CITY	2	5.6			4	12.9	17	47.4	5	42.4	3	21.5
CENTRAL SHENANDOAH	2	1.7	1	15.2	26	23.6	28	24.3	2	27.2	1	15.2
AUGUSTA	1	3.4			4	13.6	8	27.1				
BATH							2	89.2				
HIGHLAND							1	79.8				
ROCKBRIDGE					7	74.8	3	32.0				
ROCKINGHAM					6	19.7	5	15.9	1	156.7		
BUENA VISTA					2	74.0	2	61.8				
HARRISONBURG					2	14.3						
LEXINGTON							2	78.6				
STAUNTON	1	9.3	1	63.9	4	44.2	5	46.4	1	56.1	1	63.9
WAYNESBORO					1	12.9						
LORD FAIRFAX DISTRICT	2	2.3			20	24.1	12	13.9				
CLARKE					1	17.7	2	34.9				
FREDERICK					3	11.2	5	18.7				
PAGE					2	18.3	1	8.8				
SHENANDOAH					6	36.5						
WARREN	1	7.0			5	36.1	2	14.0				
WINCHESTER	1	9.6			3	32.2	2	19.2				
ALEXANDRIA DISTRICT	1	2.3	1	6.8	8	20.4	10	22.7	2	15.4	1	6.8
ARLINGTON DISTRICT					16	23.4	18	25.2	2	20.2	3	29.7
FAIRFAX DISTRICT	9	2.3	2	5.2	50	13.2	45	11.6	6	15.0	2	5.2
FAIRFAX	8	2.1	2	5.3	45	12.3	43	11.5	6	15.3	2	5.3
FAIRFAX CITY					4	47.3	2	22.2				
FALLS CHURCH	1	21.2			1	23.7						
LOUDOUN					10	15.8	3	4.7	2	34.8		
PRINCE WILLIAM DISTRICT	3	2.5			15	11.7	15	12.3	6	30.4	2	10.3
PRINCE WILLIAM	3	2.9			11	10.1	12	11.5	6	34.7	2	11.8
MANASSAS					3	20.0	2	13.9				
MANASSAS PARK					1	26.4	1	25.9				
RAPPAHANNOCK/RAPIDAN	3	5.4	1	9.8	11	20.0	11	19.9	4	37.6	1	9.8
CULPEPER					5	39.5	3	23.4	1	26.3	1	31.6
FAUQUIER	2	8.6	1	28.9	1	4.3	3	12.9				
MADISON					2	38.2	1	18.8	1	100.2		
ORANGE	1	9.4			3	29.1	3	28.1	2	96.1		
RAPPAHANNOCK							1	30.3				
THOMAS JEFFERSON	3	3.9			11	15.1	15	19.6	5	30.8	4	22.2
ALBEMARLE					3	9.2	2	5.9	1	23.0	1	21.5
FLUVANNA									1	44.3	1	40.4
GREENE	1	15.5					2	31.0				
LOUISA	2	23.0			2	23.2	6	68.9	2	57.0		
NELSON					3	56.1	2	36.3			1	65.5
CHARLOTTESVILLE					3	23.0	3	20.4	1	24.3	1	19.7
CENTRAL VIRGINIA	2	2.2	1	4.2	29	34.4	31	34.2	7	33.6	10	42.3
AMHERST	1	8.3			2	18.2	2	16.7			1	28.5
APPOMATTOX					4	84.2	6	120.8	1	62.5		
BEDFORD					8	31.7	3	12.0			1	38.5
CAMPBELL					7	34.0	7	33.2	2	49.5	3	69.8

Table 16
Resident Deaths for Selective Cancers by Race with Rates per 100,000 Population, Virginia, 1998

	CERVICAL CANCER				COLORECTAL CANCER							
	WHITE FEMALE		BLACK FEMALE		WHITE MALE		WHITE FEMALE		BLACK MALE		BLACK FEMALE	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
CENTRAL VIRGINIA (con't)	2	2.2	1	4.2	29	34.4	31	34.2	7	33.6	10	42.3
BEDFORD CITY					1	44.5	2	80.5				
LYNCHBURG	1	4.0	1	9.4	7	34.2	11	43.8	4	47.3	5	47.1
PITTSYLVANIA/DANVILLE	1	2.7	1	5.0	10	29.8	10	27.2	7	40.0	4	20.1
PITTSYLVANIA	1	4.9			4	20.3	6	29.7	3	35.7	1	11.3
DANVILLE					6	43.4	4	24.2	4	43.9	3	27.3
WEST PIEDMONT	1	1.8	2	13.8	10	19.4	6	11.0	2	15.2	4	27.6
FRANKLIN	1	5.1			3	15.6	3	15.3				
HENRY			1	13.4	3	15.0	2	9.5	2	28.7	2	26.7
PATRICK					1	12.1						
MARTINSVILLE			1	29.4	3	71.0	1	19.1			2	58.9
SOUTHSIDE DISTRICT			2	9.9	5	22.8	6	25.7	6	31.8	5	24.8
BRUNSWICK					1	31.4	1	31.6			2	39.1
HALIFAX			1	12.1	1	9.9	2	18.3	4	53.8	1	12.1
MECKLENBURG			1	14.8	3	34.4	3	32.4	2	32.2	2	29.5
PIEDMONT DISTRICT					12	45.6	11	41.9	6	30.5	9	48.4
AMELIA					2	60.7			2	111.4		
BUCKINGHAM							3	82.3			2	69.5
CHARLOTTE					3	83.3			1	42.8		
CUMBERLAND					1	45.0	1	43.8	2	126.7	2	114.4
LUNENBURG					1	29.6	4	120.6				
NOTTOWAY					2	49.2	2	48.5	1	28.2	2	63.3
PRINCE EDWARD					3	54.7	1	17.2			3	75.8
CHESTERFIELD DISTRICT	4	3.4			14	12.1	25	21.2	3	13.6		
CHESTERFIELD	4	3.9			11	11.1	17	16.7	3	16.6		
POWHATAN					2	22.7	3	40.2				
COLONIAL HEIGHTS					1	13.2	5	57.9				
HANOVER DISTRICT	1	2.1	1	8.2	7	15.1	5	10.5	2	16.7	4	32.8
CHARLES CITY												
GOOCHLAND					1	17.6						
HANOVER	1	2.7			4	11.4	4	10.9	1	21.3	2	40.5
NEW KENT			1	69.3	2	41.9	1	21.7	1	49.6	2	138.6
HENRICO DISTRICT	5	5.2	1	3.2	18	21.1	28	28.9	1	4.0	7	22.5
RICHMOND CITY DISTRICT	1	2.4	5	8.0	15	41.7	11	25.9	9	17.9	19	30.2
RAPPAHANNOCK DISTRICT	5	5.3			15	15.5	18	19.1	2	11.1	2	11.1
CAROLINE					4	63.8	3	48.1	1	22.3	1	21.2
KING GEORGE							2	31.0			1	48.5
SPOTSYLVANIA	2	5.6			5	14.0	9	25.0	1	19.3		
STAFFORD	1	2.7			5	12.2	2	5.4				
FREDERICKSBURG	2	22.8			1	13.8	2	22.8				
THREE RIVERS DISTRICT	1	2.1			17	37.5	13	27.6	5	28.4	12	64.1
LANCASTER					2	55.9	3	74.0			1	50.4
NORTHUMBERLAND							2	49.4	2	119.5	1	49.8
RICHMOND					1	37.4	1	39.7			2	163.1
WESTMORELAND					2	40.0	2	38.0	1	35.9	2	64.4
ESSEX					2	79.6					1	50.3
GLOUCESTER					3	20.0	1	6.6			2	82.4
KING AND QUEEN					1	58.0	1	56.8			1	65.0
KING WILLIAM					1	24.9			2	100.2	1	43.6
MATHEWS	1	25.6			3	81.3	2	51.2				
MIDDLESEX					2	59.6	1	27.6			1	73.4
CRATER DISTRICT			3	8.3	17	47.4	9	25.3	6	17.1	12	33.1
DINWIDDIE			1	19.6	1	13.8	2	27.6			1	19.6
GREENSVILLE					1	41.8			1	23.3	1	36.4
PRINCE GEORGE					3	28.9						
SURRY												
SUSSEX							1	51.5			3	91.9
EMPORIA					3	234.0	1	67.8				
HOPEWELL					5	66.2	4	49.2	1	34.0		
PETERSBURG	2	14.2			4	104.0	1	21.6	4	34.1	7	49.8
CHESAPEAKE DISTRICT			1	3.1	15	22.6	13	19.3	10	33.9	4	12.4
NORFOLK DISTRICT	3	5.5	1	2.0	20	34.9	17	30.9	6	13.6	7	14.0
PORTSMOUTH DISTRICT	2	8.3	2	7.3	10	43.3	7	29.2	11	47.8	5	18.2
VIRGINIA BEACH DISTRICT	5	3.0	4	11.7	19	11.2	28	16.7	6	18.2	5	14.6
WESTERN TIDEWATER			1	3.5	5	15.9	10	31.5	4	15.8	7	24.3
ISLE OF WIGHT					1	10.7	1	10.6				
SOUTHAMPTON							3	70.8			1	25.5
FRANKLIN CITY							1	50.5	2	94.0	1	35.9
SUFFOLK			1	6.0	4	25.4	5	31.1	2	14.5	5	30.2
HAMPTON DISTRICT	1	2.7	1	3.2	11	29.4	8	21.2	3	11.2	8	25.6
PENINSULA DISTRICT			1	2.2	27	26.1	21	20.1	9	22.0	10	21.8
JAMES CITY CO					5	29.5	6	34.0			3	64.6
YORK					5	21.5	6	25.9			1	18.7
NEWPORT NEWS			1	2.9	12	22.5	9	17.0	9	29.2	6	17.2
POQUOSON					2	36.1						
WILLIAMSBURG					3	67.8						
EASTERN SHORE					4	31.7	8	58.0	1	12.0	2	20.0
ACCOMACK					4	42.0	6	57.6	1	18.0	2	30.4
NORTHAMPTON							2	59.1				

Table 16-A
Resident Deaths for Selective Cancers by Race/Ethnicity with Rates per 100,000 Population, Virginia, 1998

Race/Ethnicity/Sex	Lung	Breast	Colorectal	Cervical	Prostate
API Male	16		6		2
API Female	15	9	3	3	
AEA Male			1		
Hispanic Female	2		2		

DEFINITIONS AND FORMULAS

RESIDENCE – allocated by place of residence of the registrant

OCCURRENCE – allocated by place event occurred, regardless of the person's place of residence

LIVE BIRTH – a birth that shows any sign of life after delivery

Birth Rate – number of live births per 1,000 population

$$\frac{\text{live births} \times 1,000}{\text{population}}$$

Fertility Rate – number of live births per 1,000 females ages 15-44

$$\frac{\text{live births} \times 1,000}{\text{females 15-44}}$$

LOW WEIGHT BIRTH – a live birth weighing less than 2500 grams (5 pounds 8 ounces) regardless of length of gestation

Percent low weight births – number of low weight births per 100 live births

$$\frac{\text{low weight births} \times 100}{\text{live births}}$$

NONMARITAL CHILD BEARING – a live birth, induced termination or spontaneous fetal death to a mother who was not married to the father any time in the previous ten months prior to delivery

Percent out-of-wedlock - $\frac{\text{out of wedlock events}}{\text{total events}} \times 100$

INDUCED TERMINATIONS – deliberate termination of a pregnancy with the purpose of producing a nonviable fetus

NATURAL FETAL DEATHS – spontaneous expulsion of pregnancy which shows no sign of life. Molar and ectopic pregnancies are included.

INFANT DEATHS – death of an infant under one year of age

Infant death rate – infant deaths per 1,000 live births

$$\frac{\text{infant deaths} \times 1,000}{\text{live births}}$$

DEATH RATE – number of deaths per 1,000 population

$$\frac{\text{deaths} \times 1,000}{\text{population}}$$

CAUSE OF DEATH RATE

$$\frac{\text{deaths by specific cause}}{\text{population}} \times 100,000$$